

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 8, 2004, 15:30:06 ; Search time 43.3077 Seconds
(without alignments)
71.766 Million cell updates/sec

Title: US-09-787-443A-3

Perfect score: 11

Sequence: 1 ARALNWGAKPK 11

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 1586107 seqs, 282547505 residues

Word size : 0

Total number of hits satisfying chosen parameters: 22883

Minimum DB seq length: 11

Maximum DB seq length: 11

Post-processing: Listing first 100 summaries

Database : A_Geneseq_29Jan04:
1: geneseqp1980s:
2: geneseqp1990s:
3: geneseqp2000s:
4: geneseqp2001s:
5: geneseqp2002s:
6: geneseqp2003as:
7: geneseqp2003bs:
8: geneseqp2004s:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Score	% Match Length DB ID				Description
1	11	100.0	11	3	AAY88529	Aay88529 NCAM Ig1
2	11	100.0	11	3	AAY88563	Aay88563 NCAM Ig1
3	11	100.0	11	5	ABG69331	Abg69331 Human neu
4	4	36.4	11	2	AAR55834	Aar55834 Meningoco
5	4	36.4	11	2	AAW34129	Aaw34129 LFA-1 bet
6	4	36.4	11	2	AAW34126	Aaw34126 LFA-1 bet
7	4	36.4	11	2	AAW84064	Aaw84064 Human V3
8	4	36.4	11	2	AAW74320	Aaw74320 HJ loop p
9	4	36.4	11	4	AAJ01280	Aaj01280 Hepatitis

10	4	36.4	11	4	AAJ00171	Aaj00171 Hepatitis
11	4	36.4	11	4	AAJ00737	Aaj00737 Hepatitis
12	4	36.4	11	4	AAJ01538	Aaj01538 Hepatitis
13	4	36.4	11	4	AAJ02159	Aaj02159 Hepatitis
14	4	36.4	11	4	AAJ02672	Aaj02672 Hepatitis
15	4	36.4	11	4	AAJ02807	Aaj02807 Hepatitis
16	4	36.4	11	4	AAJ02404	Aaj02404 Hepatitis
17	4	36.4	11	5	ABB46474	Abb46474 Desmoglei
18	4	36.4	11	5	ABB46499	Abb46499 Desmoglei
19	4	36.4	11	5	ABB46518	Abb46518 Desmoglei
20	4	36.4	11	5	ABB46523	Abb46523 Desmoglei
21	4	36.4	11	5	ABB46546	Abb46546 Desmoglei
22	4	36.4	11	5	ABB46191	Abb46191 Desmoglei
23	4	36.4	11	5	ABB46227	Abb46227 Desmoglei
24	4	36.4	11	5	ABB46276	Abb46276 Desmoglei
25	4	36.4	11	5	ABB46310	Abb46310 Desmoglei
26	4	36.4	11	5	ABB46494	Abb46494 Desmoglei
27	4	36.4	11	5	ABB46283	Abb46283 Desmoglei
28	4	36.4	11	5	ABB46542	Abb46542 Desmoglei
29	4	36.4	11	5	ABB46247	Abb46247 Desmoglei
30	4	36.4	11	5	ABB46248	Abb46248 Desmoglei
31	4	36.4	11	5	ABB46570	Abb46570 Desmoglei
32	4	36.4	11	5	ABB46522	Abb46522 Desmoglei
33	4	36.4	11	5	ABB46198	Abb46198 Desmoglei
34	4	36.4	11	5	ABB46311	Abb46311 Desmoglei
35	4	36.4	11	5	ABB46303	Abb46303 Desmoglei
36	4	36.4	11	5	ABB46469	Abb46469 Desmoglei
37	4	36.4	11	5	ABB46470	Abb46470 Desmoglei
38	4	36.4	11	5	ABB46571	Abb46571 Desmoglei
39	4	36.4	11	5	ABB46282	Abb46282 Desmoglei
40	4	36.4	11	5	ABB46475	Abb46475 Desmoglei
41	4	36.4	11	5	ABB46220	Abb46220 Desmoglei
42	4	36.4	11	5	ABB46517	Abb46517 Desmoglei
43	4	36.4	11	5	ABB46547	Abb46547 Desmoglei
44	4	36.4	11	5	ABB46566	Abb46566 Desmoglei
45	4	36.4	11	5	ABB46192	Abb46192 Desmoglei
46	4	36.4	11	5	ABB46219	Abb46219 Desmoglei
47	4	36.4	11	5	ABB46493	Abb46493 Desmoglei
48	4	36.4	11	5	ABB46541	Abb46541 Desmoglei
49	4	36.4	11	5	ABB46275	Abb46275 Desmoglei
50	4	36.4	11	5	ABB46565	Abb46565 Desmoglei
51	4	36.4	11	5	ABB46226	Abb46226 Desmoglei
52	4	36.4	11	5	ABB46255	Abb46255 Desmoglei
53	4	36.4	11	5	ABB46304	Abb46304 Desmoglei
54	4	36.4	11	5	ABB46498	Abb46498 Desmoglei
55	4	36.4	11	5	ABB46199	Abb46199 Desmoglei
56	4	36.4	11	5	ABB46254	Abb46254 Desmoglei
57	4	36.4	11	6	ABP60263	Abp60263 Synthetic
58	3	27.3	11	1	AAP71100	Aap71100 Functiona
59	3	27.3	11	2	AAR08091	Aar08091 Antifreez
60	3	27.3	11	2	AAR25537	Aar25537 N-terminu
61	3	27.3	11	2	AAR24938	Aar24938 Influenza
62	3	27.3	11	2	AAR37230	Aar37230 IL-6 anta
63	3	27.3	11	2	AAR36924	Aar36924 Insulin-1
64	3	27.3	11	2	AAR41014	Aar41014 Influenza
65	3	27.3	11	2	AAR34249	Aar34249 Mutant HT
66	3	27.3	11	2	AAR38406	Aar38406 Radiodiag

67	3	27.3	11	2	AAR61960	Aar61960 MBP pepti
68	3	27.3	11	2	AAR57428	Aar57428 Rabphilin
69	3	27.3	11	2	AAR49995	Aar49995 Mouse OSF
70	3	27.3	11	2	AAR49069	Aar49069 Infectiou
71	3	27.3	11	2	AAR49117	Aar49117 Sequence
72	3	27.3	11	2	AAR49119	Aar49119 Sequence
73	3	27.3	11	2	AAR49067	Aar49067 Infectiou
74	3	27.3	11	2	AAR52710	Aar52710 Enkephali
75	3	27.3	11	2	AAR71315	Aar71315 GPV K5/6
76	3	27.3	11	2	AAR90710	Aar90710 Active pe
77	3	27.3	11	2	AAW00844	Aaw00844 PERB11-4D
78	3	27.3	11	2	AAR89376	Aar89376 p53 deriv
79	3	27.3	11	2	AAW44216	Aaw44216 Human sol
80	3	27.3	11	2	AAW29281	Aaw29281 Human H-Y
81	3	27.3	11	2	AAW36595	Aaw36595 MAGE-2 pe
82	3	27.3	11	2	AAW33181	Aaw33181 Mono-DTPA
83	3	27.3	11	2	AAW44189	Aaw44189 H-2Kd-res
84	3	27.3	11	2	AAW33770	Aaw33770 Human RAG
85	3	27.3	11	2	AAY22688	Aay22688 Neurokini
86	3	27.3	11	2	AAW13608	Aaw13608 HLA-B7 re
87	3	27.3	11	2	AAW35885	Aaw35885 Complemen
88	3	27.3	11	2	AAW35528	Aaw35528 Myelin ol
89	3	27.3	11	2	AAW70197	Aaw70197 N-termina
90	3	27.3	11	2	AAW62151	Aaw62151 Haemophil
91	3	27.3	11	2	AAW46009	Aaw46009 Peptide #
92	3	27.3	11	2	AAY20909	Aay20909 Human pre
93	3	27.3	11	2	AAW69200	Aaw69200 Nucleic a
94	3	27.3	11	2	AAW79544	Aaw79544 Adenoviru
95	3	27.3	11	2	AAW68312	Aaw68312 MHC bindi
96	3	27.3	11	2	AAW30509	Aaw30509 DP-1 tran
97	3	27.3	11	2	AAW79402	Aaw79402 Staphyloc
98	3	27.3	11	2	AAW63051	Aaw63051 Influenza
99	3	27.3	11	2	AAW47936	Aaw47936 AE101 ana
100	3	27.3	11	2	AAW52870	Aaw52870 Nucleic a

ALIGNMENTS

RESULT 1
 AAY88529
 ID AAY88529 standard; peptide; 11 AA.
 XX
 AC AAY88529;
 XX
 DT 07-AUG-2000 (first entry)
 XX
 DE NCAM Ig1 binding peptide D4.
 XX
 KW NCAM; neural cell adhesion molecule; Ig1; immunoglobulin domain 1;
 KW neurite outgrowth promoter; proliferation; nerve damage; sclerosis;
 KW impaired myelination; stroke; Parkinson's disease; memory; schizophrenia;
 KW Alzheimer's disease; diabetes mellitus; circadian clock; nephrosis;
 KW treatment; prosthetic nerve guide; treatment; nervous system.
 XX
 OS Synthetic.
 XX

PN WO200018801-A2.
XX
PD 06-APR-2000.
XX
PF 23-SEP-1999; 99WO-DK000500.
XX
PR 29-SEP-1998; 98DK-00001232.
PR 29-APR-1999; 99DK-00000592.
XX
PA (RONN/) RONN L C B.
PA (BOCK/) BOCK E.
PA (HOLM/) HOLM A.
PA (OLSE/) OLSEN M.
PA (OSTE/) OSTERGAARD S.
PA (JENS/) JENSEN P H.
PA (POUL/) POULSEN F M.
PA (SORO/) SOROKA V.
PA (RALE/) RALETS I.
PA (BERE/) BEREZIN V.
XX
PI Ronn LCB, Bock E, Holm A, Olsen M, Ostergaard S, Jensen PH;
PI Poulsen FM, Soroka V, Ralets I, Berezin V;
XX
DR WPI; 2000-293111/25.
XX
PT Compositions that bind neural cell adhesion molecules useful for treating
PT disorders of the nervous system and muscles e.g. Alzheimer's and
PT Parkinson's diseases.
XX
PS Claim 20; Page 82; 119pp; English.
XX
CC Neural cell adhesion molecule (NCAM) is a cellular adhesion molecule.
CC NCAM is found in three forms, two of which are transmembrane forms, while
CC the third is attached via a lipid anchor to the cell membrane. All three
CC NCAM forms have an extracellular structure consisting five immunoglobulin
CC domains (Ig domains). The Ig domains are numbered 1 to 5 from the N-
CC terminal. The present sequence represents a peptide which binds to the
CC NCAM Ig1 domain. The peptide can be used in a compound which binds to
CC NCAM-Ig1/Ig2 domains, and is capable of stimulating or promoting neurite
CC outgrowth from NCAM presenting cells, and is also capable of promoting
CC the proliferation of NCAM presenting cells. The compound may be used in
CC the treatment of normal, degenerated or damaged NCAM presenting cells.
CC The compound may in particular be used to treat diseases of the central
CC and peripheral nervous systems such as post operative nerve damage,
CC traumatic nerve damage, impaired myelination of nerve fibres, conditions
CC resulting from a stroke, Parkinson's disease, Alzheimer's disease,
CC dementias, sclerosis, nerve degeneration associated with diabetes
CC mellitus, disorders affecting the circadian clock or neuro-muscular
CC transmission and schizophrenia. Conditions affecting the muscles may also
CC be treated with the compound, such as conditions associated with impaired
CC function of neuromuscular connections (e.g. genetic or traumatic shock or
CC traumatic atrophic muscle disorders). Conditions of the gonads, pancreas
CC (e.g. diabetes mellitus types I and II), kidney (e.g. nephrosis), heart,
CC liver and bowel may also be treated using the compound. The compound is
CC used in a prosthetic nerve guide, and also to stimulate the ability to
CC learn, and to stimulate the memory of a subject
XX

SQ Sequence 11 AA;

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.1e-05;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARALNWGAKPK 11
||| | | | | | | |
Db 1 ARALNWGAKPK 11

RESULT 2

AAY88563

ID AAY88563 standard; peptide; 11 AA.

XX

AC AAY88563;

XX

DT 07-AUG-2000 (first entry)

XX

DE NCAM Ig1 binding peptide D4 used as a control peptide.

XX

KW NCAM; neural cell adhesion molecule; Ig1; immunoglobulin domain 1;
KW neurite outgrowth promoter; proliferation; nerve damage; sclerosis;
KW impaired myelination; stroke; Parkinson's disease; memory; schizophrenia;
KW Alzheimer's disease; diabetes mellitus; circadian clock; nephrosis;
KW treatment; prosthetic nerve guide; treatment; nervous system.

XX

OS Synthetic.

XX

PN WO200018801-A2.

XX

PD 06-APR-2000.

XX

PF 23-SEP-1999; 99WO-DK000500.

XX

PR 29-SEP-1998; 98DK-00001232.

PR 29-APR-1999; 99DK-00000592.

XX

PA (RONN/) RONN L C B.

PA (BOCK/) BOCK E.

PA (HOLM/) HOLM A.

PA (OLSE/) OLSEN M.

PA (OSTE/) OSTERGAARD S.

PA (JENS/) JENSEN P H.

PA (POUL/) POULSEN F M.

PA (SORO/) SOROKA V.

PA (RALE/) RALETS I.

PA (BERE/) BEREZIN V.

XX

PI Ronn LCB, Bock E, Holm A, Olsen M, Ostergaard S, Jensen PH;

PI Poulsen FM, Soroka V, Ralets I, Berezin V;

XX

DR WPI; 2000-293111/25.

XX

PT Compositions that bind neural cell adhesion molecules useful for treating
PT disorders of the nervous system and muscles e.g. Alzheimer's and
PT Parkinson's diseases.

XX
PS Example 5; Fig 7; 119pp; English.
XX
CC Neural cell adhesion molecule (NCAM) is a cellular adhesion molecule.
CC NCAM is found in three forms, two of which are transmembrane forms, while
CC the third is attached via a lipid anchor to the cell membrane. All three
CC NCAM forms have an extracellular structure consisting five immunoglobulin
CC domains (Ig domains). The Ig domains are numbered 1 to 5 from the N-
CC terminal. The invention relates to a compound containing a peptide which
CC binds to the NCAM Ig1 domain. The compound binds to NCAM-Ig1/Ig2 domains,
CC and is capable of stimulating or promoting neurite outgrowth from NCAM
CC presenting cells, and is also capable of promoting the proliferation of
CC NCAM presenting cells. The present sequence represents a control peptide
CC used in the identification of those binding peptides which can be used in
CC the compound. The compound may be used in the treatment of normal,
CC degenerated or damaged NCAM presenting cells. The compound may in
CC particular be used to treat diseases of the central and peripheral
CC nervous systems such as post operative nerve damage, traumatic nerve
CC damage, impaired myelination of nerve fibres, conditions resulting from a
CC stroke, Parkinson's disease, Alzheimer's disease, dementias, sclerosis,
CC nerve degeneration associated with diabetes mellitus, disorders affecting
CC the circadian clock or neuro-muscular transmission and schizophrenia.
CC Conditions affecting the muscles may also be treated with the compound,
CC such as conditions associated with impaired function of neuromuscular
CC connections (e.g. genetic or traumatic shock or traumatic atrophic muscle
CC disorders). Conditions of the gonads, pancreas (e.g. diabetes mellitus
CC types I and II), kidney (e.g. nephrosis), heart, liver and bowel may also
CC be treated using the compound. The compound is used in a prosthetic nerve
CC guide, and also to stimulate the ability to learn, and to stimulate the
CC memory of a subject

XX
SQ Sequence 11 AA;

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.1e-05;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARALNWGAKPK 11
||| ||||| |||||
Db 1 ARALNWGAKPK 11

RESULT 3
ABG69331
ID ABG69331 standard; peptide; 11 AA.
XX
AC ABG69331;
XX
DT 21-OCT-2002 (first entry)
XX
DE Human neural cell adhesion molecule (NCAM) peptide #3.
XX
KW Human; neural cell adhesion molecule; NCAM; heart muscle cell survival;
KW acute myocardial infarction; central nervous system disorder; stroke;
KW peripheral nervous system disorder; postoperative nerve damage;
KW traumatic nerve damage; spinal cord injury; nerve fibre; schizophrenia;
KW postischaemic damage; multiinfarct dementia; multiple sclerosis;

KW nerve degeneration; diabetes mellitus; neuro-muscular degeneration;
KW Alzheimer's disease; Parkinson's disease;
KW Huntington's disease. atrophic muscle disorder; gonad degeneration;
KW nephrosis.
XX
OS Homo sapiens.
XX
PN WO200247719-A2.
XX
PD 20-JUN-2002.
XX
PF 12-DEC-2001; 2001WO-DK000822.
XX
PR 12-DEC-2000; 2000DK-00001863.
XX
PA (ENKA-) ENKAM PHARM AS.
XX
PI Bock E, Berezin V, Kohler LB;
XX
DR WPI; 2002-583473/62.
XX
PT Use of a compound comprising a peptide of neural cell adhesion molecule,
PT in the preparation of medicament for preventing death of cells presenting
PT NCAM or NCAM ligand and treating central nervous system diseases.
XX
PS Claim 26; Page 39; 57pp; English.
XX
CC The invention relates to use of a compound (I) comprising a peptide which
CC comprises at least 5 contiguous amino acid residues of a sequence of the
CC neural cell adhesion molecule (NCAM), its fragment, variant or its mimic,
CC for the preparation of a medicament for preventing death of cells
CC presenting the NCAM or an NCAM ligand. (I) is useful in the preparation
CC of a medicament for preventing death of cells presenting the NCAM or an
CC NCAM ligand. The medicament is for the stimulation of the survival of
CC heart muscle cells, such as survival after acute myocardial infarction.
CC The medicament is for the treatment of diseases or conditions of the
CC central and peripheral nervous system, such as postoperative nerve
CC damage, traumatic nerve damage, e.g. resulting from spinal cord injury,
CC impaired myelination of nerve fibres, postischaemic damage, e.g.
CC resulting from a stroke, multiinfarct dementia, multiple sclerosis, nerve
CC degeneration associated with diabetes mellitus, neuro-muscular
CC degeneration, schizophrenia, Alzheimer's disease, Parkinson's disease and
CC Huntington's disease. The medicament is for the treatment of diseases or
CC conditions of the muscles including conditions with impaired function of
CC neuro-muscular connections, such as genetic or traumatic atrophic muscle
CC disorders, and for the treatment of diseases of conditions of various
CC organs, such as degenerative conditions of the gonads, pancreas (e.g.
CC diabetes mellitus type I and II) and kidney (e.g. nephrosis). ABG69329-
CC ABG69352 represent human NCAM peptides of the invention

XX
SQ Sequence 11 AA;

Query Match 100.0%; Score 11; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.1e-05;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARALNWGAKPK 11

Db |||||||
1 ARALNWGAKPK 11

RESULT 4
AAR55834
ID AAR55834 standard; protein; 11 AA.
XX
AC AAR55834;
XX
DT 25-MAR-2003 (revised)
DT 09-SEP-1994 (first entry)
XX
DE Meningococcal OMP P1.7 epitope.
XX
KW Neisseria meningitidis; meningococcus; outer membrane protein; OMP;
KW outer membrane vesicle; lipopolysaccharide; vaccine.
XX
OS Synthetic.
XX
PN WO9408021-A1.
XX
PD 14-APR-1994.
XX
PF 30-JUL-1993; 93WO-NL000163.
XX
PR 02-OCT-1992; 92NL-00001716.
XX
PA (NEWE-) NEDERLANDEN MIN WELZIJN.
XX
PI Van Der Ley PA, Poolman JT, Hoogerhout P;
XX
DR WPI; 1994-135585/16.
DR N-PSDB; AAQ62052.
XX
PT New B cell activating molecules from meningococcal lipo:polysaccharide -
PT and derived peptide conjugates, outer membrane vesicles etc. useful in
PT vaccines effective against several meningococcal immunotypes.
XX
PS Example; Page 25; 62pp; English.
XX
CC An oligonucleotide with KpnI sticky ends (AAQ62052) encodes the P1.7
CC epitope of Neisseria meningitidis outer membrane protein (OMP). The 3'
CC end of the antisense strand overhangs the 5' end of the sense strand by 4
CC bases, and the 3' end of the sense strand overhangs the 5' end of the
CC antisense strand by 4 bases. Epitopes encoded by the sense and antisense
CC strands are given in AAR51275 and AAR55834, respectively. The
CC oligonucleotide was placed in loop 6 of the class I OMP gene, providing a
CC new meningococcal strain with an extra epitope for use in vaccines.
CC (Updated on 25-MAR-2003 to correct PN field.)
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 ||||
Db 5 RALN 8

RESULT 5

AAW34129

ID AAW34129 standard; peptide; 11 AA.

XX

AC AAW34129;

XX

DT 14-MAY-1998 (first entry)

XX

DE LFA-1 beta subunit based peptide cLBE-R.

XX

KW ICAM-1; intracellular adhesion molecule-1; inhibitor; integrin binding;

KW lymphocyte fusion associated antigen-1; LFA-1; transplant rejection;

KW allergy; autoimmune disease; rheumatoid arthritis; multiple sclerosis;

KW insulin-dependent diabetes mellitus; therapy; beta subunit; cyclic.

XX

OS Synthetic.

OS Homo sapiens.

XX

FH Key Location/Qualifiers

FT Disulfide-bond 1. .12

FT /note= "form disulphide bond to create cyclic peptide"

FT Modified-site 1

FT /note= "penicillamine"

XX

PN WO9741149-A1.

XX

PD 06-NOV-1997.

XX

PF 24-APR-1997; 97WO-US006799.

XX

PR 26-APR-1996; 96US-0057848P.

PR 26-APR-1996; 96US-00638437.

PR 23-APR-1997; 97US-00844978.

XX

PA (UNIV) UNIV KANSAS.

XX

PI Benedict S, Siahaan TJ, Chan MA, Tibbetts SA;

XX

DR WPI; 1997-549680/50.

XX

PT Composition of peptide(s) that inhibit binding between proteins - used
PT for treatment of transplant rejection, auto:immune disease and allergy.

XX

PS Claim 8; Page 27; 50pp; English.

XX

CC This sequence represents a cyclic peptide fragment of the beta subunit of
CC lymphocyte fusion associated antigen-1 (LFA-1). This sequence, or a
CC fragment intracellular adhesion molecule-1 (ICAM-1), can be used in the
CC peptide composition (A) of the invention, which inhibits the binding of
CC first and second proteins (P1, P2) and comprises at least one peptide
CC that binds to P1 and at least one peptide that binds to P2. (A) is used,
CC in vivo or in vitro, to inhibit binding of integrins to their specific

CC binding proteins, particularly for treating transplant rejection, allergy
CC and autoimmune disease, specifically rheumatoid arthritis, insulin-
CC dependent diabetes mellitus and multiple sclerosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 6 RALN 9

RESULT 6
AAW34126
ID AAW34126 standard; peptide; 11 AA.
XX
AC AAW34126;
XX
DT 14-MAY-1998 (first entry)
XX
DE LFA-1 beta subunit based peptide LBE-R.
XX
KW ICAM-1; intracellular adhesion molecule-1; inhibitor; integrin binding;
KW lymphocyte fusion associated antigen-1; LFA-1; transplant rejection;
KW allergy; autoimmune disease; rheumatoid arthritis; multiple sclerosis;
KW insulin-dependent diabetes mellitus; therapy; beta subunit.
XX
OS Synthetic.
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT Modified-site 1
FT /note= "penicillamine"
XX
PN WO9741149-A1.
XX
PD 06-NOV-1997.
XX
PF 24-APR-1997; 97WO-US006799.
XX
PR 26-APR-1996; 96US-0057848P.
PR 26-APR-1996; 96US-00638437.
PR 23-APR-1997; 97US-00844978.
XX
PA (UNIV) UNIV KANSAS.
XX
PI Benedict S, Siahaan TJ, Chan MA, Tibbetts SA;
XX
DR WPI; 1997-549680/50.
XX
PT Composition of peptide(s) that inhibit binding between proteins - used
PT for treatment of transplant rejection, auto:immune disease and allergy.
XX
PS Claim 8; Page 26; 50pp; English.

XX
CC This sequence represents a peptide fragment of the beta subunit of
CC lymphocyte fusion associated antigen-1 (LFA-1). This sequence, or a
CC fragment intracellular adhesion molecule-1 (ICAM-1), can be used in the
CC peptide composition (A) of the invention, which inhibits the binding of
CC first and second proteins (P1, P2) and comprises at least one peptide
CC that binds to P1 and at least one peptide that binds to P2. (A) is used,
CC in vivo or in vitro, to inhibit binding of integrins to their specific
CC binding proteins, particularly for treating transplant rejection, allergy
CC and autoimmune disease, specifically rheumatoid arthritis, insulin-
CC dependent diabetes mellitus and multiple sclerosis

XX

SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 6 RALN 9

RESULT 7

AAW84064

ID AAW84064 standard; peptide; 11 AA.

XX

AC AAW84064;

XX

DT 15-MAR-1999 (first entry)

XX

DE Human V3 loop HIV receptor P60/nucleolin peptide (peak 19).

XX

KW HIV receptor; V3 loop; human immunodeficiency virus; retrovirus;
KW P60 protein; P95 protein; nucleolin; infection; therapy; diagnosis.

XX

OS Homo sapiens.

XX

PN WO9840480-A1.

XX

PD 17-SEP-1998.

XX

PF 12-MAR-1998; 98WO-EP001409.

XX

PR 12-MAR-1997; 97US-0040969P.

XX

PA (INSP) INST PASTEUR.

PA (CNRS) CENT NAT RECH SCI.

XX

PI Hovanessian A, Callebaut C, Krust B, Jacotot E, Muller S;

PI Briand J, Guichard G;

XX

DR WPI; 1999-034588/03.

XX

PT New isolated V3 loop HIV receptor - comprises P95/nucleolin, P40/PHAPII
PT and P30/PHAPI proteins, used to develop products for the treatment and
PT prevention of HIV infection.

XX
PS Example 9; Page 160; 267pp; English.
XX
CC This peptide was isolated from the novel V3 loop HIV receptor P60 protein
CC by endo-lysine-C digestion. Sequencing revealed identity with amino acids
CC 635-644 of human nucleolin. The V3 loop HIV receptor, identified as a
CC cell surface receptor on e.g. CD4+ T cell line CEM, consists of an
CC association of 3 proteins, named P95, P40 and P30 (see AAW84052-54), that
CC are implicated as cofactors in the process of HIV entry into cells.
CC Microsequencing of endo-lysine-C- generated peptides showed these 3
CC proteins to be nucleolin, PHAPI and PHAPII, respectively. P60 is a
CC partial degradation product of P95. The invention provides methods,
CC products and compositions for the treatment, diagnosis and prevention of
CC HIV infection
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AKPK 11
|||
Db 7 AKPK 10

RESULT 8
AAW74320
ID AAW74320 standard; peptide; 11 AA.
XX
AC AAW74320;
XX
DT 05-MAY-1999 (first entry)
XX
DE HJ loop peptide K077H102.
XX
KW HJ loop; serine/threonine kinase; cancer; diabetes; obesity; therapy;
KW haemorrhagic shock; cardiovascular disease; immunosuppressive disorder;
KW inflammatory disorder; central nervous system disease; septic shock;
KW Parkinson's disease; hypertension.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Modified-site 1
FT /note= "Myristyl-Gly"
FT Modified-site 11
FT /note= "amidated"
XX
PN WO9853051-A1.
XX
PD 26-NOV-1998.
XX
PF 20-MAY-1998; 98WO-US010321.
XX
PR 21-MAY-1997; 97US-00861153.
XX

PA (CHIL-) CHILDRENS MEDICAL CENT.
XX
PI Ben-Sasson SA;
XX
DR WPI; 1999-070143/06.
XX
PT New peptide derivatives for modulating protein tyrosine kinase activity -
PT comprise a sequence corresponding to the HJ loop of a protein tyrosine
PT kinase, used for treating cancers or immune disorders.
XX
PS Disclosure; Fig 7; 79pp; English.
XX
CC This sequence represents a peptide of the invention, and is a derivative
CC of the HJ loop of a serine/threonine kinase (STK). The peptides can be
CC used for the treatment of disorders caused by overactivity or
CC underactivity of a STK, e.g. cancer, diabetes, obesity, haemorrhagic
CC shock, cardiovascular diseases (e.g. thrombosis, atherosclerosis,
CC arteriosclerosis, cardiac hyper trophy, ischaemia, reperfusion injury and
CC hypertension), immunosuppressive and inflammatory disorders (e.g. asthma,
CC psoriasis, systemic lupus erythematosus, diabetes mellitus, suppression
CC of organ transplant rejection, multiple sclerosis, inflammatory bowel
CC disease and AIDS), central nervous system diseases (e.g. Alzheimer's
CC disease, stroke and trauma), septic shock, Parkinson's disease or
CC hypertension. The peptides can also be used to produce antibodies which
CC can be used to identify cells expressing the STK and to study the
CC intracellular distribution of the STK. In addition, the peptides can be
CC used to identify and quantitate ligands which bind the HJ loop of the STK
CC from which the peptide was derived
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAKP 10
 ||||
Db 6 GAKP 9

RESULT 9
AAJ01280
ID AAJ01280 standard; peptide; 11 AA.
XX
AC AAJ01280;
XX
DT 02-JUL-2001 (first entry)
XX
DE Hepatitis C virus epitope #1271.
XX
KW Hepatitis C virus; HCV; epitope; vaccine; immunogen; HLA-binding motif;
KW antiviral.
XX
OS Hepatitis C virus.
XX
PN WO200121189-A1.
XX

PD 29-MAR-2001.
XX
PF 19-JUL-2000; 2000WO-US019774.
XX
PR 19-JUL-1999; 99US-00357737.
XX
PA (EPIM-) EPIMMUNE INC.
XX
PI Sette A, Sidney J, Southwood S, Livingston BD, Chesnut R;
PI Baker DM, Celis E, Kubo RT, Grey HM;
XX
DR WPI; 2001-308046/32.
XX
PT A new composition useful as a vaccines against hepatitis C virus.
XX
PS Disclosure; Page 132; 214pp; English.
XX
CC The present invention describes a composition comprising a prepared
CC hepatitis C virus (HCV) epitope such as those given in AAJ00010-AAJ04121.
CC These are derived from HCV HLA-binding motifs. They are useful in
CC vaccines for the prevention and treatment of HCV infection in humans. The
CC present sequence is an epitope used in the disclosure of the invention
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARAL 4
|||
Db 1 ARAL 4

RESULT 10
AAJ00171
ID AAJ00171 standard; peptide; 11 AA.
XX
AC AAJ00171;
XX
DT 02-JUL-2001 (first entry)
XX
DE Hepatitis C virus epitope #162.
XX
KW Hepatitis C virus; HCV; epitope; vaccine; immunogen; HLA-binding motif;
KW antiviral.
XX
OS Hepatitis C virus.
XX
PN WO200121189-A1.
XX
PD 29-MAR-2001.
XX
PF 19-JUL-2000; 2000WO-US019774.
XX
PR 19-JUL-1999; 99US-00357737.
XX

PA (EPIM-) EPIMMUNE INC.
XX
PI Sette A, Sidney J, Southwood S, Livingston BD, Chesnut R;
PI Baker DM, Celis E, Kubo RT, Grey HM;
XX
DR WPI; 2001-308046/32.
XX
PT A new composition useful as a vaccines against hepatitis C virus.
XX
PS Disclosure; Page 105; 214pp; English.
XX
CC The present invention describes a composition comprising a prepared
CC hepatitis C virus (HCV) epitope such as those given in AAJ00010-AAJ04121.
CC These are derived from HCV HLA-binding motifs. They are useful in
CC vaccines for the prevention and treatment of HCV infection in humans. The
CC present sequence is an epitope used in the disclosure of the invention
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARAL 4
|||
Db 2 ARAL 5

RESULT 11
AAJ00737
ID AAJ00737 standard; peptide; 11 AA.
XX
AC AAJ00737;
XX
DT 02-JUL-2001 (first entry)
XX
DE Hepatitis C virus epitope #728.
XX
KW Hepatitis C virus; HCV; epitope; vaccine; immunogen; HLA-binding motif;
KW antiviral.
XX
OS Hepatitis C virus.
XX
PN WO200121189-A1.
XX
PD 29-MAR-2001.
XX
PF 19-JUL-2000; 2000WO-US019774.
XX
PR 19-JUL-1999; 99US-00357737.
XX
PA (EPIM-) EPIMMUNE INC.
XX
PI Sette A, Sidney J, Southwood S, Livingston BD, Chesnut R;
PI Baker DM, Celis E, Kubo RT, Grey HM;
XX
DR WPI; 2001-308046/32.

XX
PT A new composition useful as a vaccines against hepatitis C virus.
XX
PS Disclosure; Page 119; 214pp; English.
XX
CC The present invention describes a composition comprising a prepared
CC hepatitis C virus (HCV) epitope such as those given in AAJ00010-AAJ04121.
CC These are derived from HCV HLA-binding motifs. They are useful in
CC vaccines for the prevention and treatment of HCV infection in humans. The
CC present sequence is an epitope used in the disclosure of the invention
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARAL 4
|||
Db 3 ARAL 6

RESULT 12
AAJ01538
ID AAJ01538 standard; peptide; 11 AA.
XX
AC AAJ01538;
XX
DT 02-JUL-2001 (first entry)
XX
DE Hepatitis C virus epitope #1529.
XX
KW Hepatitis C virus; HCV; epitope; vaccine; immunogen; HLA-binding motif;
KW antiviral.
XX
OS Hepatitis C virus.
XX
PN WO200121189-A1.
XX
PD 29-MAR-2001.
XX
PF 19-JUL-2000; 2000WO-US019774.
XX
PR 19-JUL-1999; 99US-00357737.
XX
PA (EPIM-) EPIMMUNE INC.
XX
PI Sette A, Sidney J, Southwood S, Livingston BD, Chesnut R;
PI Baker DM, Celis E, Kubo RT, Grey HM;
XX
DR WPI; 2001-308046/32.
XX
PT A new composition useful as a vaccines against hepatitis C virus.
XX
PS Disclosure; Page 139; 214pp; English.
XX
CC The present invention describes a composition comprising a prepared

CC hepatitis C virus (HCV) epitope such as those given in AAJ00010-AAJ04121.
CC These are derived from HCV HLA-binding motifs. They are useful in
CC vaccines for the prevention and treatment of HCV infection in humans. The
CC present sequence is an epitope used in the disclosure of the invention
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARAL 4
Db 2 ARAL 5

RESULT 13
AAJ02159
ID AAJ02159 standard; peptide; 11 AA.
XX
AC AAJ02159;
XX
DT 02-JUL-2001 (first entry)
XX
DE Hepatitis C virus epitope #2150.
XX
KW Hepatitis C virus; HCV; epitope; vaccine; immunogen; HLA-binding motif;
KW antiviral.
XX
OS Hepatitis C virus.
XX
PN WO200121189-A1.
XX
PD 29-MAR-2001.
XX
PF 19-JUL-2000; 2000WO-US019774.
XX
PR 19-JUL-1999; 99US-00357737.
XX
PA (EPIM-) EPIMMUNE INC.
XX
PI Sette A, Sidney J, Southwood S, Livingston BD, Chesnut R;
PI Baker DM, Celis E, Kubo RT, Grey HM;
XX
DR WPI; 2001-308046/32.
XX
PT A new composition useful as a vaccines against hepatitis C virus.
XX
PS Disclosure; Page 154; 214pp; English.
XX
CC The present invention describes a composition comprising a prepared
CC hepatitis C virus (HCV) epitope such as those given in AAJ00010-AAJ04121.
CC These are derived from HCV HLA-binding motifs. They are useful in
CC vaccines for the prevention and treatment of HCV infection in humans. The
CC present sequence is an epitope used in the disclosure of the invention
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARAL 4
||||
Db 3 ARAL 6

RESULT 14
AAJ02672
ID AAJ02672 standard; peptide; 11 AA.
XX
AC AAJ02672;
XX
DT 02-JUL-2001 (first entry)
XX
DE Hepatitis C virus epitope #2663.
XX
KW Hepatitis C virus; HCV; epitope; vaccine; immunogen; HLA-binding motif;
KW antiviral.
XX
OS Hepatitis C virus.
XX
PN WO200121189-A1.
XX
PD 29-MAR-2001.
XX
PF 19-JUL-2000; 2000WO-US019774.
XX
PR 19-JUL-1999; 99US-00357737.
XX
PA (EPIM-) EPIMMUNE INC.
XX
PI Sette A, Sidney J, Southwood S, Livingston BD, Chesnut R;
PI Baker DM, Celis E, Kubo RT, Grey HM;
XX
DR WPI; 2001-308046/32.
XX
PT A new composition useful as a vaccines against hepatitis C virus.
XX
PS Disclosure; Page 166; 214pp; English.
XX
CC The present invention describes a composition comprising a prepared
CC hepatitis C virus (HCV) epitope such as those given in AAJ00010-AAJ04121.
CC These are derived from HCV HLA-binding motifs. They are useful in
CC vaccines for the prevention and treatment of HCV infection in humans. The
CC present sequence is an epitope used in the disclosure of the invention
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARAL 4

Db

||||
3 ARAL 6

RESULT 15

AAJ02807

ID AAJ02807 standard; peptide; 11 AA.

XX

AC AAJ02807;

XX

DT 02-JUL-2001 (first entry)

XX

DE Hepatitis C virus epitope #2798.

XX

KW Hepatitis C virus; HCV; epitope; vaccine; immunogen; HLA-binding motif;
KW antiviral.

XX

OS Hepatitis C virus.

XX

PN WO200121189-A1.

XX

PD 29-MAR-2001.

XX

PF 19-JUL-2000; 2000WO-US019774.

XX

PR 19-JUL-1999; 99US-00357737.

XX

PA (EPIM-) EPIMMUNE INC.

XX

PI Sette A, Sidney J, Southwood S, Livingston BD, Chesnut R;

PI Baker DM, Celis E, Kubo RT, Grey HM;

XX

DR WPI; 2001-308046/32.

XX

PT A new composition useful as a vaccines against hepatitis C virus.

XX

PS Disclosure; Page 169; 214pp; English.

XX

CC The present invention describes a composition comprising a prepared
CC hepatitis C virus (HCV) epitope such as those given in AAJ00010-AAJ04121.
CC These are derived from HCV HLA-binding motifs. They are useful in
CC vaccines for the prevention and treatment of HCV infection in humans. The
CC present sequence is an epitope used in the disclosure of the invention

XX

SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy

1 ARAL 4

||||

Db

6 ARAL 9

RESULT 16

AAJ02404

ID AAJ02404 standard; peptide; 11 AA.
XX
AC AAJ02404;
XX
DT 02-JUL-2001 (first entry)
XX
DE Hepatitis C virus epitope #2395.
XX
KW Hepatitis C virus; HCV; epitope; vaccine; immunogen; HLA-binding motif;
KW antiviral.
XX
OS Hepatitis C virus.
XX
PN WO200121189-A1.
XX
PD 29-MAR-2001.
XX
PF 19-JUL-2000; 2000WO-US019774.
XX
PR 19-JUL-1999; 99US-00357737.
XX
PA (EPIM-) EPIMMUNE INC.
XX
PI Sette A, Sidney J, Southwood S, Livingston BD, Chesnut R;
PI Baker DM, Celis E, Kubo RT, Grey HM;
XX
DR WPI; 2001-308046/32.
XX
PT A new composition useful as a vaccines against hepatitis C virus.
XX
PS Disclosure; Page 159; 214pp; English.
XX
CC The present invention describes a composition comprising a prepared
CC hepatitis C virus (HCV) epitope such as those given in AAJ00010-AAJ04121.
CC These are derived from HCV HLA-binding motifs. They are useful in
CC vaccines for the prevention and treatment of HCV infection in humans. The
CC present sequence is an epitope used in the disclosure of the invention
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARAL 4
|||
Db 6 ARAL 9

RESULT 17
ABB46474
ID ABB46474 standard; peptide; 11 AA.
XX
AC ABB46474;
XX
DT 30-JAN-2002 (first entry)
XX

DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1218.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 5 RALN 8

RESULT 18
ABB46499
ID ABB46499 standard; peptide; 11 AA.
XX

AC ABB46499;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1243.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 5 RALN 8

RESULT 19
ABB46518
ID ABB46518 standard; peptide; 11 AA.
XX
AC ABB46518;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1262.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db

||||
4 RALN 7

RESULT 20

ABB46523

ID ABB46523 standard; peptide; 11 AA.

XX

AC ABB46523;

XX

DT 30-JAN-2002 (first entry)

XX

DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1267.

XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive; cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft; organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX

OS Synthetic.

XX

PN WO200172956-A2.

XX

PD 04-OCT-2001.

XX

PF 27-MAR-2001; 2001WO-IB001400.

XX

PR 27-MAR-2000; 2000US-00535852.

XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX

PI Blaschuk OW, Symonds JM, Gour BJ;

XX

DR WPI; 2002-025778/03.

XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin mediated cell adhesion, useful for facilitating wound healing and/or reducing scar tissue, treating cancer and inducing apoptosis.

XX

PS Claim 18; Page 102; 127pp; English.

XX

CC The invention relates to modulating agents for inhibiting or enhancing desmosomal cadherin mediated cell adhesion, comprising a modulating agent CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR sequence, a substance such as an antibody or antigen-binding fragment CC that specifically binds a desmosomal cadherin CAR sequence and/or a CC polynucleotide encoding a polypeptide that comprises a desmosomal CC cadherin CAR sequence or analogue. The modulating agents have CC immunosuppressive, cytostatic and antiapoptotic activity and are used to CC facilitate wound healing and/or reduce scar tissue, for enhancing CC adhesion of foreign tissue implants (e.g. skin graft or organ implant), CC treating an autoimmune blistering disorder and to treat cancer (e.g. CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX

SQ Sequence 11 AA;

Query Match

36.4%; Score 4; DB 5; Length 11;

Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 5 RALN 8

RESULT 21
ABB46546
ID ABB46546 standard; peptide; 11 AA.
XX
AC ABB46546;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1290.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
|||
Db 5 RALN 8

RESULT 22
ABB46191
ID ABB46191 standard; peptide; 11 AA.
XX
AC ABB46191;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 935.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 100; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to

CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX

SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 23

ABB46227

ID ABB46227 standard; peptide; 11 AA.

XX

AC ABB46227;

XX

DT 30-JAN-2002 (first entry)

XX

DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 971.

XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX

OS Synthetic.

XX

PN WO200172956-A2.

XX

PD 04-OCT-2001.

XX

PF 27-MAR-2001; 2001WO-IB001400.

XX

PR 27-MAR-2000; 2000US-00535852.

XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX

PI Blaschuk OW, Symonds JM, Gour BJ;

XX

DR WPI; 2002-025778/03.

XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.

XX

PS Claim 18; Page 100; 127pp; English.

XX

CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
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CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
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CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX

SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 |||||
Db 4 RALN 7

RESULT 24

ABB46276

ID ABB46276 standard; peptide; 11 AA.

XX

AC ABB46276;

XX

DT 30-JAN-2002 (first entry)

XX

DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 1020.

XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX

OS Synthetic.

XX

PN WO200172956-A2.

XX

PD 04-OCT-2001.

XX

PF 27-MAR-2001; 2001WO-IB001400.

XX

PR 27-MAR-2000; 2000US-00535852.

XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX

PI Blaschuk OW, Symonds JM, Gour BJ;

XX

DR WPI; 2002-025778/03.

XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.

XX

PS Claim 18; Page 100; 127pp; English.

XX

CC The invention relates to modulating agents for inhibiting or enhancing

CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX

SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 4 RALN 7

RESULT 25

ABB46310

ID ABB46310 standard; peptide; 11 AA.

XX

AC ABB46310;

XX

DT 30-JAN-2002 (first entry)

XX

DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 1054.

XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX

OS Synthetic.

XX

PN WO200172956-A2.

XX

PD 04-OCT-2001.

XX

PF 27-MAR-2001; 2001WO-IB001400.

XX

PR 27-MAR-2000; 2000US-00535852.

XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX

PI Blaschuk OW, Symonds JM, Gour BJ;

XX

DR WPI; 2002-025778/03.

XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.

XX
PS Claim 18; Page 101; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 |||||
Db 4 RALN 7

RESULT 26
ABB46494
ID ABB46494 standard; peptide; 11 AA.
XX
AC ABB46494;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1238.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.

XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 |||||
Db 4 RALN 7

RESULT 27
ABB46283
ID ABB46283 standard; peptide; 11 AA.
XX
AC ABB46283;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 1027.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 100; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
|||
Db 4 RALN 7

RESULT 28
ABB46542
ID ABB46542 standard; peptide; 11 AA.
XX
AC ABB46542;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1286.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.

XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 |||||
Db 4 RALN 7

RESULT 29
ABB46247
ID ABB46247 standard; peptide; 11 AA.
XX
AC ABB46247;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 991.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.

XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 100; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 ||||
Db 4 RALN 7

RESULT 30
ABB46248
ID ABB46248 standard; peptide; 11 AA.
XX
AC ABB46248;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 992.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 100; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
|||
Db 4 RALN 7

RESULT 31
ABB46570
ID ABB46570 standard; peptide; 11 AA.
XX
AC ABB46570;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1314.

XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
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XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
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CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
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CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
|||
Db 5 RALN 8

RESULT 32
ABB46522
ID ABB46522 standard; peptide; 11 AA.
XX
AC ABB46522;

XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1266.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
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PS Claim 18; Page 102; 127pp; English.
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CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
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CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 5 RALN 8

ABB46198

ID ABB46198 standard; peptide; 11 AA.

XX

AC ABB46198;

XX

DT 30-JAN-2002 (first entry)

XX

DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 942.

XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive; KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft; KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX

OS Synthetic.

XX

PN WO200172956-A2.

XX

PD 04-OCT-2001.

XX

PF 27-MAR-2001; 2001WO-IB001400.

XX

PR 27-MAR-2000; 2000US-00535852.

XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX

PI Blaschuk OW, Symonds JM, Gour BJ;

XX

DR WPI; 2002-025778/03.

XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
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XX

PS Claim 18; Page 100; 127pp; English.

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CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
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CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX

SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy

2 RALN 5

||||

RESULT 34
ABB46311
ID ABB46311 standard; peptide; 11 AA.
XX
AC ABB46311;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 1055.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 101; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 35.

ABB46303

ID ABB46303 standard; peptide; 11 AA.

XX

AC ABB46303;

XX

DT 30-JAN-2002 (first entry)

XX

DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 1047.

XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive; KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft; KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX

OS Synthetic.

XX

PN WO200172956-A2.

XX

PD 04-OCT-2001.

XX

PF 27-MAR-2001; 2001WO-IB001400.

XX

PR 27-MAR-2000; 2000US-00535852.

XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX

PI Blaschuk OW, Symonds JM, Gour BJ;

XX

DR WPI; 2002-025778/03.

XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.

XX

PS Claim 18; Page 101; 127pp; English.

XX

CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX

SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 4 RALN 7

RESULT 36

ABB46469

ID ABB46469 standard; peptide; 11 AA.

XX

AC ABB46469;

XX

DT 30-JAN-2002 (first entry)

XX

DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1213.

XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX

OS Synthetic.

XX

PN WO200172956-A2.

XX

PD 04-OCT-2001.

XX

PF 27-MAR-2001; 2001WO-IB001400.

XX

PR 27-MAR-2000; 2000US-00535852.

XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX

PI Blaschuk OW, Symonds JM, Gour BJ;

XX

DR WPI; 2002-025778/03.

XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.

XX

PS Claim 18; Page 102; 127pp; English.

XX

CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing

CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 37
ABB46470
ID ABB46470 standard; peptide; 11 AA.
XX
AC ABB46470;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1214.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a

CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX

SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 38
ABB46571
ID ABB46571 standard; peptide; 11 AA.
XX
AC ABB46571;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1315.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent

CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX

SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
|||||

Db 5 RALN 8

RESULT 39

ABB46282

ID ABB46282 standard; peptide; 11 AA.

XX

AC ABB46282;

XX

DT 30-JAN-2002 (first entry)

XX

DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 1026.

XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX

OS Synthetic.

XX

PN WO200172956-A2.

XX

PD 04-OCT-2001.

XX

PF 27-MAR-2001; 2001WO-IB001400.

XX

PR 27-MAR-2000; 2000US-00535852.

XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX

PI Blaschuk OW, Symonds JM, Gour BJ;

XX

DR WPI; 2002-025778/03.

XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.

XX

PS Claim 18; Page 100; 127pp; English.

XX

CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX

SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 40

ABB46475

ID ABB46475 standard; peptide; 11 AA.

XX

AC ABB46475;

XX

DT 30-JAN-2002 (first entry)

XX

DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1219.

XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX

OS Synthetic.

XX

PN WO200172956-A2.

XX

PD 04-OCT-2001.

XX

PF 27-MAR-2001; 2001WO-IB001400.

XX

PR 27-MAR-2000; 2000US-00535852.

XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX

PI Blaschuk OW, Symonds JM, Gour BJ;

XX

DR WPI; 2002-025778/03.

XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
|||
Db 5 RALN 8

RESULT 41
ABB46220
ID ABB46220 standard; peptide; 11 AA.
XX
AC ABB46220;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 964.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX

PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 100; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 ||||
Db 4 RALN 7

RESULT 42
ABB46517
ID ABB46517 standard; peptide; 11 AA.
XX
AC ABB46517;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1261.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX

PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.

XX
PS Claim 18; Page 102; 127pp; English.
XX

CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
|||
Db 4 RALN 7

RESULT 43
ABB46547
ID ABB46547 standard; peptide; 11 AA.
XX
AC ABB46547;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1291.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX

PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
|||
Db 5 RALN 8

RESULT 44
ABB46566
ID ABB46566 standard; peptide; 11 AA.
XX
AC ABB46566;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1310.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX

OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 |||||
Db 4 RALN 7

RESULT 45
ABB46192
ID ABB46192 standard; peptide; 11 AA.
XX
AC ABB46192;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 936.
XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 100; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 |||||
Db 4 RALN 7

RESULT 46
ABB46219
ID ABB46219 standard; peptide; 11 AA.
XX
AC ABB46219;
XX

DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 963.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 100; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 4 RALN 7

RESULT 47
ABB46493

ID ABB46493 standard; peptide; 11 AA.
XX
AC ABB46493;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1237.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
|||
Db 4 RALN 7

RESULT 48
ABB46541
ID ABB46541 standard; peptide; 11 AA.
XX
AC ABB46541;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1285.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
|||
Db 4 RALN 7

RESULT 49
ABB46275
ID ABB46275 standard; peptide; 11 AA.
XX
AC ABB46275;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 1019.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 100; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 4 RALN 7

RESULT 50
ABB46565
ID ABB46565 standard; peptide; 11 AA.
XX
AC ABB46565;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1309.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),

CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 51

ABB46226

ID ABB46226 standard; peptide; 11 AA.

XX

AC ABB46226;

XX

DT 30-JAN-2002 (first entry)

XX

DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 970.

XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX

OS Synthetic.

XX

PN WO200172956-A2.

XX

PD 04-OCT-2001.

XX

PF 27-MAR-2001; 2001WO-IB001400.

XX

PR 27-MAR-2000; 2000US-00535852.

XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX

PI Blaschuk OW, Symonds JM, Gour BJ;

XX

DR WPI; 2002-025778/03.

XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.

XX

PS Claim 18; Page 100; 127pp; English.

XX

CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal

CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 RALN 5
|||
Db 4 RALN 7

RESULT 52
ABB46255
ID ABB46255 standard; peptide; 11 AA.
XX
AC ABB46255;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 999.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 100; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence

CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR sequence, a substance such as an antibody or antigen-binding fragment that specifically binds a desmosomal cadherin CAR sequence and/or a polynucleotide encoding a polypeptide that comprises a desmosomal cadherin CAR sequence or analogue. The modulating agents have immunosuppressive, cytostatic and antiapoptotic activity and are used to facilitate wound healing and/or reduce scar tissue, for enhancing adhesion of foreign tissue implants (e.g. skin graft or organ implant), treating an autoimmune blistering disorder and to treat cancer (e.g. carcinoma, leukaemia or melanoma) and induce apoptosis

XX

SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 53

ABB46304

ID ABB46304 standard; peptide; 11 AA.

XX

AC ABB46304;

XX

DT 30-JAN-2002 (first entry)

XX

DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 1048.

XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive; cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft; organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX

OS Synthetic.

XX

PN WO200172956-A2.

XX

PD 04-OCT-2001.

XX

PF 27-MAR-2001; 2001WO-IB001400.

XX

PR 27-MAR-2000; 2000US-00535852.

XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX

PI Blaschuk OW, Symonds JM, Gour BJ;

XX

DR WPI; 2002-025778/03.

XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin mediated cell adhesion, useful for facilitating wound healing and/or reducing scar tissue, treating cancer and inducing apoptosis.

XX

PS Claim 18; Page 101; 127pp; English.

XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis

XX

SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
|||||
Db 4 RALN 7

RESULT 54

ABB46498

ID ABB46498 standard; peptide; 11 AA.

XX

AC ABB46498;

XX

DT 30-JAN-2002 (first entry)

XX

DE Desmoglein-3 CAR sequence cyclic peptide SEQ ID NO 1242.

XX

KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.

XX

OS Synthetic.

XX

PN WO200172956-A2.

XX

PD 04-OCT-2001.

XX

PF 27-MAR-2001; 2001WO-IB001400.

XX

PR 27-MAR-2000; 2000US-00535852.

XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX

PI Blaschuk OW, Symonds JM, Gour BJ;

XX

DR WPI; 2002-025778/03.

XX

PT Modulating agents for inhibiting or enhancing desmosomal cadherin

PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 102; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 ||||
Db 5 RALN 8

RESULT 55
ABB46199
ID ABB46199 standard; peptide; 11 AA.
XX
AC ABB46199;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 943.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.
XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;

XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 100; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
|||
Db 4 RALN 7

RESULT 56
ABB46254
ID ABB46254 standard; peptide; 11 AA.
XX
AC ABB46254;
XX
DT 30-JAN-2002 (first entry)
XX
DE Desmoglein-1 CAR sequence cyclic peptide SEQ ID NO 998.
XX
KW Desmosomal cadherin; cell adhesion; CAR sequence; immunosuppressive;
KW cytostatic; antiapoptotic; wound healing; reduce scar tissue; skin graft;
KW organ implant; autoimmune blistering disorder; cancer; apoptosis; cyclic.
XX
OS Synthetic.
XX
PN WO200172956-A2.
XX
PD 04-OCT-2001.
XX
PF 27-MAR-2001; 2001WO-IB001400.
XX
PR 27-MAR-2000; 2000US-00535852.

XX
PA (ADHE-) ADHEREX TECHNOLOGIES INC.
XX
PI Blaschuk OW, Symonds JM, Gour BJ;
XX
DR WPI; 2002-025778/03.
XX
PT Modulating agents for inhibiting or enhancing desmosomal cadherin
PT mediated cell adhesion, useful for facilitating wound healing and/or
PT reducing scar tissue, treating cancer and inducing apoptosis.
XX
PS Claim 18; Page 100; 127pp; English.
XX
CC The invention relates to modulating agents for inhibiting or enhancing
CC desmosomal cadherin mediated cell adhesion, comprising a modulating agent
CC comprising a desmosomal cadherin cell adhesion recognition CAR sequence
CC (ABB45341-ABB47262), a non-peptide mimetic of a desmosomal cadherin CAR
CC sequence, a substance such as an antibody or antigen-binding fragment
CC that specifically binds a desmosomal cadherin CAR sequence and/or a
CC polynucleotide encoding a polypeptide that comprises a desmosomal
CC cadherin CAR sequence or analogue. The modulating agents have
CC immunosuppressive, cytostatic and antiapoptotic activity and are used to
CC facilitate wound healing and/or reduce scar tissue, for enhancing
CC adhesion of foreign tissue implants (e.g. skin graft or organ implant),
CC treating an autoimmune blistering disorder and to treat cancer (e.g.
CC carcinoma, leukaemia or melanoma) and induce apoptosis
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 4 RALN 7

RESULT 57
ABP60263
ID ABP60263 standard; peptide; 11 AA.
XX
AC ABP60263;
XX
DT 14-FEB-2003 (first entry)
XX
DE Synthetic peptide 62.
XX
KW Substrate specificity; enzyme activity; microarray; diagnosis; cancer;
KW differential analysis; high throughput analysis.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Modified-site 2
FT /label= bAla
FT Modified-site 11

FT /note= "C-terminal amide"
XX
PN WO200283933-A2.
XX
PD 24-OCT-2002.
XX
PF 17-APR-2002; 2002WO-EP004265.
XX
PR 17-APR-2001; 2001DE-01018774.
XX
PA (JERI-) JERINI AG.
XX
PI Schneider-Mergener J, Schutkowski M, Reimer U, Dong L, Panse S;
PI Scharn D, Osterkamp F, Hummel G, Jobron L;
XX
DR WPI; 2003-075559/07.
XX
PT Determining substrate specificity of enzymes, useful e.g. in screening
PT for modulators, by detecting molecular weight changes in ordered array of
PT amino acid sequences.
XX
PS Example 18; Page 45; 79pp; German.
XX
CC The invention relates to determining the substrate specificity of an
CC enzymatic activity (EA) by contact and/or incubation of EA with an array
CC of many amino acid sequences (I) immobilised, in a directed manner, on
CC the flat surface of a carrier then detecting reaction of (I) with EA,
CC where the reaction is monitored from a change in the molecular weight of
CC (I). The method is used to determine the pattern of EA in a sample, e.g.
CC for differential analysis; for identification of a strain or species and
CC for diagnosis of disease, e.g. cancer. It can also be used for selection
CC of active agents, i.e. compounds that modulate EA. The method is suitable
CC for high throughput testing and the use of a non-porous carrier surface
CC makes it possible to use extremely small quantities of EA or sample. The
CC signal-to-noise ratio is much lower (typically by a factor of 3000) than
CC that in conventional peptide/protein arrays. The present sequence is that
CC of a peptide used in examples of the invention
XX
SQ Sequence 11 AA;

Query Match 36.4%; Score 4; DB 6; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARAL 4
|||
Db 3 ARAL 6

RESULT 58
AAP71100
ID AAP71100 standard; peptide; 11 AA.
XX
AC AAP71100;
XX
DT 31-OCT-2002 (revised)
DT 05-JUN-1991 (first entry)

XX
DE Functional site recognition sequence of analogue of serine protease
DE inhibitor number 14.
XX
KW Enzyme; complement activation; therapy; clot degradation.
XX
OS Synthetic.
XX
PN EP238473-A.
XX
PD 23-SEP-1987.
XX
PF 17-MAR-1987; 87EP-00870035.
XX
PR 18-MAR-1986; 86US-00840810.
PR 06-FEB-1987; 87US-00006725.
XX
PA (MONS) MONSANTO CO.
XX
PI Glover GI, Schasteen CS;
XX
DR WPI; 1987-265792/38.
XX
PT New peptide cpds. which inhibit serine protease - extensively homologous
PT with natural inhibitors, useful e.g. for treating excessive complement
PT activation.
XX
PS Claim 25; Table I(A), page 14; 34pp; English.
XX
CC The peptides of the invention are useful for treating diseases associated
CC with excessive protease activity particularly those involved in
CC complement activation, blood clotting and clot degradation. The usual
CC dose is 0.1-10mg/kg. (Updated on 31-OCT-2002 to add missing OS field.)
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 3 RAL 5

RESULT 59
AAR08091
ID AAR08091 standard; protein; 11 AA.
XX
AC AAR08091;
XX
DT 25-MAR-2003 (revised)
DT 01-MAR-1991 (first entry)
XX
DE Antifreeze segment #1 encoded by SS3.
XX
KW synthetic antifreeze polypeptide; cryopreservation;

KW core repetitive sequence.
XX
OS Synthetic.
XX
PN WO9013571-A.
XX
PD 15-NOV-1990.
XX
PF 10-MAY-1989; 89US-00350481.
XX
PR 10-MAY-1989; 89US-00350481.
PR 10-APR-1990; 90US-00507716.
XX
PA (DNAP) DNA PLANT TECHN COR.
XX
PI Warren GJ, Mueller JM, Mckown RJ, Dunsmuir P;
XX
DR WPI; 1990-361428/48.
XX
PT New anti-freeze poly-peptide(s) - used for cryo-protection of e.g. foods,
PT medically used biological(s), plant prods. or plants during growth.
XX
PS Disclosure; Fig 4; 111pp; English.
XX
CC Synthetic anti-freeze polypeptides (saf) comprise a specifically
CC cleavable site and a region containing at least two "core" segments such
CC as the 11mer given here. The saf's suppress ice crystal growth by binding
CC to the growing crystal face and blocking sites for further crystal
CC growth. They can be used to maximise retention of important properties of
CC organic materials through freezing and thawing processes. The basic
CC design of the polypeptides is based on known antifreeze polypeptides from
CC insects and fish, e.g. the winter flounder. See also AAQ06649-Q06652,
CC AAQ06656, AAQ06658, AAQ06660-Q06672, AAR08070-6, AAR08087-R08090,
CC AAR08092-R08093. (Updated on 25-MAR-2003 to correct PR field.) (Updated
CC on 25-MAR-2003 to correct PA field.) (Updated on 25-MAR-2003 to correct
CC PI field.)
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 5 ARA 7

RESULT 60
AAR25537
ID AAR25537 standard; peptide; 11 AA.
XX
AC AAR25537;
XX
DT 25-MAR-2003 (revised)
DT 11-JAN-1993 (first entry)
XX

DE N-terminus of tomato PG1 beta subunit.
XX
KW Endopolygalacturonase; thermostable; heat; transgenic.
XX
OS Lycopersicon esculentum.
XX
PN WO9211374-A1.
XX
PD 09-JUL-1992.
XX
PF 20-DEC-1991; 91WO-AU000594.
XX
PR 21-DEC-1990; 90AU-00004037.
XX
PA (CSIR) COMMONWEALTH SCI & IND RES ORG.
XX
PI Brady C, Lee E, Pogson BJ, Orr GR, Speirs J;
XX
DR WPI; 1992-250094/30.
XX
PT DNA sequence used in prodn. of genetically engineered tomato plants -
PT encodes the tomato enzyme endo:poly:galacturonase PG1 beta sub-unit.
XX
PS Claim 5; Page 25; 38pp; English.
XX
CC The N-terminal peptide was encoded by a DNA sequence isolated from
CC tomatoes which encodes the endopolygalacturonase (PG1) beta subunit. The
CC PG1 DNA can be used to modulate the expression of the PG1 beta subunit in
CC tomatoes. PG1 is thermostable and this stability makes it important as a
CC catalyst of polymer changes when tomatoes are processed and is an
CC important determinant of the heat imput required for processing. For this
CC reason, and because PG1 may be the form of the enzyme active in vivo,
CC there is commercial interest in the genetic regulation of the content of
CC this subunit in tomatoes. See also AAR25535,6. (Updated on 25-MAR-2003 to
CC correct PN field.)
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ALN 5
 |||
Db 1 ALN 3

RESULT 61
AAR24938
ID AAR24938 standard; peptide; 11 AA.
XX
AC AAR24938;
XX
DT 25-MAR-2003 (revised)
DT 09-DEC-1992 (first entry)
XX
DE Influenza virus peptide NP 147-158.

XX
KW Lipopeptide; lipoprotein; vaccine; cytotoxic T-cell; lymphocyte; HIV;
KW human immunodeficiency virus; AIDS; parasitic infection; cancer;
KW tumour cells; L1; L2; L3.
XX
OS Synthetic.
XX
PN EP491628-A2.
XX
PD 24-JUN-1992.
XX
PF 18-DEC-1991; 91EP-00403446.
XX
PR 18-DEC-1990; 90FR-00015870.
XX
PA (INSP) INST PASTEUR LILLE.
PA (INRM) INSERM INST NAT SANTE & RECH MED.
PA (INSP) INST PASTEUR.
XX
PI Boutillon C, Martinon F, Sergheraert C, Magne R, Gras-Masse H;
PI Gomard E, Tartar A, Levy JP;
XX
DR WPI; 1992-209776/26.
XX
PT Lipopeptide(s) which stimulate cytotoxic T-cells - for treating HIV,
PT parasitic infections and cancer.
XX
PS Example; Page 17; 32pp; French.
XX
CC The sequence is that of peptide NP 147-158 R derived from influenza
CC virus, it is made by standard methods of solid phase peptide synthesis.
CC It is used as part of lipoproteins L1, L2 and L3 which comprise the
CC peptide, and one or more chains derived from 10-20C fatty acids and/ or
CC modified steroid groups, these being coupled to alpha or epsilon amino
CC groups of the peptide. The lipoproteins are useful in vaccines and acts
CC by inducing cytotoxic T lymphocytes against the influenza virus antigen
CC from which the peptide is derived. See also AAR24939 and AAR24940.
CC (Updated on 25-MAR-2003 to correct PN field.)
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 6 RAL 8

RESULT 62
AAR37230
ID AAR37230 standard; peptide; 11 AA.
XX
AC AAR37230;
XX
DT 10-MAR-2003 (revised)

DT 06-SEP-1993 (first entry)
XX
DE IL-6 antagonist peptide #14.
XX
KW IL-6; antagonist; cytokine; B cell differentiation; inflammation;
KW tissue injury; B9.9 hybridoma cell line; Castleman's Disease;
KW Lennart's T-cell lymphoma; Non-Hodgkin's lymphoma; allergy;
KW immune deficiency disease; cardiac myxoma;
KW mesangial proliferative glomerulonephritis.
XX
OS Homo sapiens.
OS Synthetic.
XX
PN US5210075-A.
XX
PD 11-MAY-1993.
XX
PF 16-FEB-1990; 90US-00480868.
XX
PR 16-FEB-1990; 90US-00480868.
XX
PA (TANA) TANABE SEIYAKU CO.
XX
PI Scholz W, Chiang S, Nagarajan G, Lobl TJ;
XX
DR WPI; 1993-166970/20.
XX
PT New peptide interleukin-6 antagonists - for treating and preventing auto-
PT immune, immuno:inflammatory, neoplastic and infectious diseases etc.
XX
PS Example 3; Col 27; 20pp; English.
XX
CC This peptide is a specific example of a highly generic claimed formula
CC covering sequences derived from the p51-70 portion (i.e the IL-6 receptor
CC -binding portion) of IL-6 (see AAR37216) or modelled after different
CC portions of this sequence. In an assay to determine IL-6 antagonist
CC activity of this peptide, proliferation of the IL-6 dependent B9.9
CC hybridoma cell line (J.Immunol. 139: 4116, 1987) was inhibited by 33 (+/-
CC 51%). See AAR37216-R37261. (Updated on 10-MAR-2003 to add missing OS
CC field.)
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ALN 5
|||
Db 7 ALN 9

RESULT 63
AAR36924
ID AAR36924 standard; peptide; 11 AA.
XX
AC AAR36924;

XX
DT 25-MAR-2003 (revised)
DT 02-SEP-1993 (first entry)
XX
DE Insulin-like growth factor-II functional derivative.
XX
KW IGF-II; disorder; treatment; survival; retinal neuronal cells; promotion;
KW injury; ageing; disease; photodegeneration; trauma; axotomy;
KW neurotoxic-excitatory degeneration; diabetic retinopathy;
KW ischemic neuronal degeneration; inherited retinal dystrophy;
KW Alzheimer's disease; infantile malignant osteopetrosis; cholestasis;
KW ceroid-lipofuscosis; cyclic.
XX
OS Synthetic.
XX
PN WO9308826-A1.
XX
PD 13-MAY-1993.
XX
PF 03-NOV-1992; 92WO-US009443.
XX
PR 08-NOV-1991; 91US-00790690.
PR 15-OCT-1992; 92US-00963329.
XX
PA (CEPH-) CEPHALON INC.
XX
PI Bozyczko-Coyne D, Neff N, Lewis ME, Iqbal M;
XX
DR WPI; 1993-167389/20.
XX
PT Use of IGF-I or IGF-II or their functional derivs. - for treating
PT disorders characterised by death and/or dysfunction of retinal cells.
XX
PS Example; Page 76; 97pp; English.
XX
CC The sequence is that of a functional derivative of human insulin-like
CC growth factor (IGF)-II which promotes the survival of retinal neuronal
CC cells. It can be used for the treatment of retinal neuronal tissues which
CC are suffering from the effects of injury, ageing and/or disease such as
CC photodegeneration, trauma, axotomy, neurotoxic-excitatory degeneration,
CC ischemic neuronal degeneration, inherited retinal dystrophy, diabetic
CC retinopathy, Alzheimer's disease, infantile malignant osteopetrosis,
CC ceroid lipofuscosis or cholestasis. (Updated on 25-MAR-2003 to correct PN
CC field.)
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AKP 10
|||
Db 5 AKP 7

RESULT 64

AAR41014
ID AAR41014 standard; peptide; 11 AA.
XX
AC AAR41014;
XX
DT 25-MAR-2003 (revised)
DT 12-OCT-1993 (first entry)
XX
DE Influenza virus CTL inducing peptide R-.
XX
KW Cytotoxic T-lymphocyte; CTL; influenza virus; CD8+; nucleoprotein.
XX
OS Synthetic.
XX
PN WO9310816-A1.
XX
PD 10-JUN-1993.
XX
PF 02-DEC-1992; 92WO-US010378.
XX
PR 02-DEC-1991; 91US-00800932.
PR 16-SEP-1992; 92US-00945865.
XX
PA (TEXA) UNIV TEXAS SYSTEM.
XX
PI Sastry JK, Arlinghaus RB, Platsoucas CD, Nehete PN;
XX
DR WPI; 1993-196739/24.
XX
PT Peptide composition for treating and preventing viral infections -
PT comprise CTL-inducing epitope and HIV infection-inhibiting sequence or T
PT helper cell-inducing sequence.
XX
PS Claim 24; Page 96; 130pp; English.
XX
CC HIV gp120 V3 loop-derived peptides (AAR38170-87) are successful in
CC generating CTL responses, esp. peptide R15K (AAR38187); the T-helper cell
CC -inducing peptide includes the sequence C19A (AAR38164); HIV infection-
CC inhibiting peptides are given in AAR38188-206, and are esp. peptides
CC R15K, N24G, E13V, R8K, T13Q and H13N (AAR38165-69). The peptides may also
CC be derived from an influenza virus protein or a sendai virus protein
CC (AAR41014-15). Peptide R- (amino acids 147-158) corresponds to a portion
CC of the nucleoprotein of influenza virus. Specific CD8+ CTLs, that lysed
CC target cells pre-treated with this peptide, could be induced in vivo by
CC immunisation of mice with the free synthetic peptide. (Updated on 25-MAR-
CC 2003 to correct PN field.)
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
 |||
Db 6 RAL 8

RESULT 65
AAR34249
ID AAR34249 standard; peptide; 11 AA.
XX
AC AAR34249;
XX
DT 25-MAR-2003 (revised)
DT 04-AUG-1993 (first entry)
XX
DE Mutant HTLV-I residues 88-98, peptide 2L-1.3.
XX
KW Human T-cell leukaemia virus; hydrophilic; conjugate; aggregate;
KW diagnosis; antibodies; gp46; mutant; gag; T cell epitope.
XX
OS Synthetic.
XX
PN WO9306843-A1.
XX
PD 15-APR-1993.
XX
PF 08-OCT-1992; 92WO-US008405.
XX
PR 08-OCT-1991; 91US-00771553.
XX
PA (UYDU-) UNIV DUKE.
XX
PI Palker TJ, Haynes BF;
XX
DR WPI; 1993-134125/16.
XX
PT Antigenic determinant peptide(s) of HTLV envelope glyco:protein - useful
PT for detecting anti-HTLV-I and -II antibodies and as vaccine against HTLV.
XX
PS Example 7; Page 32; 50pp; English.
XX
CC To determine which amino acids within the HTLV-I envelope amino acids 88-
CC 98 were required for absorption of neutralising anti-peptide antibodies
CC to HTLV-I, 11 peptides (2L1.1-2L1.11) were synthesised in which
CC sequential amino acids were each replaced by the amino acid alanine.
CC These 11 mutated peptides, as well as peptide 2L-1 bearing the native
CC HTLV-I sequence were tested and identified that amino acids 90, 92, 93
CC and 95 were important for HTLV-I neutralisation. See also AAR34225-57.
CC (Updated on 25-MAR-2003 to correct PN field.)
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AKP 10
|||
Db 3 AKP 5

RESULT 66

AAR38406

ID AAR38406 standard; peptide; 11 AA.

XX

AC AAR38406;

XX

DT 25-MAR-2003 (revised)

DT 12-OCT-1993 (first entry)

XX

DE Radiodiagnostic peptide #6.

XX

KW Peptide; radioactive; label; imaging; mammal; technetium-99m; Tc-99m;

KW targetting; organs; kidney; diagnosis; tumours; isotope;

KW scintigraphic agent.

XX

OS Synthetic.

XX

FH Key Location/Qualifiers

FT Misc-difference 1

FT /label= mercaptoacetyl-Gly_or_2-mercapto-2-methyl-
FT propionyl-Gly

FT Modified-site 11

FT /label= Lys-NH2

XX

PN WO9310747-A2.

XX

PD 10-JUN-1993.

XX

PF 19-NOV-1992; 92WO-US010716.

XX

PR 27-NOV-1991; 91US-00807062.

XX

PA (DIAT-) DIATECH INC.

XX

PI Dean RT, McBride W, Buttram S;

XX

DR WPI; 1993-196687/24.

XX

PT New peptide(s) capable of technetium-99m-labelled - useful as
PT scintigraphic imaging agents for diagnosing tumours.

XX

PS Disclosure; Table 1; 15pp; English.

XX

CC The sequences given in AAR38401-06 are peptides which are capable of
CC being radioactively labelled for imaging targets within a mammalian body.
CC These peptides may be labelled with technetium(Tc)-99m and can be
CC targetted to specific sites within the mammalian body. The targetting may
CC be to specific organs, eg. the kidney, for diagnosing disorders in these
CC organs and for imaging tumours. Tc-99 is used to label the peptides as
CC the nuclear and radioactive properties of the isotope make it an ideal
CC scintigraphic agent. (Updated on 25-MAR-2003 to correct PN field.)

XX

SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
 |||
Db 4 RAL 6

RESULT 67

AAR61960

ID AAR61960 standard; peptide; 11 AA.

XX

AC AAR61960;

XX

DT 25-MAR-2003 (revised)

DT 31-MAY-1995 (first entry)

XX

DE MBP peptide 108, potential binder of HLA-A2.1.

XX

KW antigen; epitope; immunogenic target protein; PSA; HBVc; HBVs; EBV; HIV1;

KW plasma specific antigen; hepatitis B virus; Epstein Barr;

KW human immunodeficiency virus; human papilloma virus; p53; c-ERB2; MAGE-1;

KW melanoma antigen-1; core antigen; surface antigen;

KW pharmaceutical composition; in vivo; ex vivo; therapeutic; diagnostic;

KW MHC class I molecule; major histocompatibility complex; HLA-A2.1; 9mer;

KW 10mer; anchor; human leukocyte antigen; PLP; 8mer; algorithm prediction;

KW MBP.

XX

OS Homo sapiens.

XX

PN WO9420127-A1.

XX

PD 15-SEP-1994.

XX

PF 04-MAR-1994; 94WO-US002353.

XX

PR 05-MAR-1993; 93US-00027146.

PR 04-JUN-1993; 93US-00073205.

PR 29-NOV-1993; 93US-00159184.

XX

PA (CYTE-) CYTEL CORP.

XX

PI Grey HM, Sette A, Sidney J, Kast W;

XX

DR WPI; 1994-302678/37.

XX

PT Immunogenic peptide(s) having an HLA-A2.1 binding motif - used for
PT treatment or prophylaxis of cancer, virus infection or autoimmune
PT diseases.

XX

PS Disclosure; Page 129; 138pp; English.

XX

CC AAR61714-837 are potential peptide binders of HLA-A2.1 motif. These
CC peptides are thus potentially immunogenic. They were predicted by using
CC an algorithm, which assigns a score for each amino acid, at each position
CC along a peptide. A peptide is scored in the 'Grouped Ratio' algorithm as
CC a product of the scores of each of its residues. This value can then be
CC used to predict a population of peptides with the highest occurrence of
CC good binders. The peptides of the invention can induce cytotoxic T
CC lymphocytes which can react with target cells. They can be used for the

CC treatment or prophylaxis of cancer, eg. prostate cancer or lymphoma, etc.
CC (Updated on 25-MAR-2003 to correct PN field.)
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 WGA 8
|||
Db 9 WGA 11

RESULT 68
AAR57428
ID AAR57428 standard; protein; 11 AA.
XX
AC AAR57428;
XX
DT 14-MAR-1995 (first entry)
XX
DE Rabphilin-3A fragment, peak 7.
XX
KW Low molecular weight; G protein; target protein; rab3A p25; Rabphilin-3A;
KW brain; nerve transmitter.
XX
OS Homo sapiens.
XX
PN JP06184199-A.
XX
PD 05-JUL-1994.
XX
PF 24-DEC-1992; 92JP-00344055.
XX
PR 24-DEC-1992; 92JP-00344055.
XX
PA (EISA) EISAI CO LTD.
XX
DR WPI; 1994-252836/31.
XX
PT Target protein of a low molecular G protein rabphilin-3A (RAB3A) - found
PT in the brain and involved in release of nerve transmitter substance.
XX
PS Example 3; Page 5; 9pp; Japanese.
XX
CC The sequences given in AAR57422-32 represents fragments of low molecular
CC weight G protein target protein, designated rab3A p25. Rabphilin-3A
CC (Rab3A) is distributed specifically in brain tissue and participates in
CC the release of nerve transmitter substance and is useful in the study of
CC its secretion
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 8 ARA 10

RESULT 69
AAR49995
ID AAR49995 standard; protein; 11 AA.
XX
AC AAR49995;
XX
DT 25-MAR-2003 (revised)
DT 23-SEP-1994 (first entry)
XX
DE Mouse OSF-5 antigenic peptide 116-126.
XX
KW Mouse OSF-5; bone-related carboxypeptidase-like protein; growth factor;
KW adhesion molecule; osteogenesis; bone induction;
KW bone metabolism disorder; osteoporosis; osteopetrosis; Paget's disease;
KW antigen; immunogen; detection.
XX
OS Synthetic.
XX
PN EP588118-A2.
XX
PD 23-MAR-1994.
XX
PF 25-AUG-1993; 93EP-00113604.
XX
PR 28-AUG-1992; 92JP-00230029.
PR 03-DEC-1992; 92JP-00324033.
XX
PA (FARH) HOECHST JAPAN LTD.
PA (HMRI) HOECHST MARION ROUSSELL LTD.
XX
PI Kawai S, Takeshita S, Okazaki M, Amann E;
XX
DR WPI; 1994-093794/12.
XX
PT New bone-related carboxy:peptidase OSF-5 - used to obtain prods. for the
PT diagnosis and treatment of bone metabolic diseases, e.g. osteoporosis, or
PT Paget's disease.
XX
PS Example 5; Page 6; 26pp; English.
XX
CC OSF-5 is a bone-specific carboxypeptidase which acts as an adhesion
CC molecule or growth factor; it takes part in osteogenesis at the site of
CC bone induction. OSF-5 can be used to treat bone metabolic diseases, e.g.
CC osteoporosis, Paget's disease, osteomalacia, hyperostosis or
CC osteopetrosis. To prepare anti-OSF-5 antibodies, five peptides (see
CC AAR49995-R49999) corresponding to regions of the full-length mouse OSF-5
CC sequence (AAR49994) were synthesised. Antisera raised against the
CC peptides could be used to immunohistochemically search for the presence
CC of OSF-5 in systemic slices from newborn mice and to detect expression of
CC OSF-5 in E.coli, yeast and animal cells. (Updated on 25-MAR-2003 to
CC correct PN field.) (Updated on 25-MAR-2003 to correct PA field.)

XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KPK 11
|||
Db 1 KPK 3

RESULT 70
AAR49069
ID AAR49069 standard; peptide; 11 AA.
XX
AC AAR49069;
XX
DT 25-MAR-2003 (revised)
DT 23-SEP-1994 (first entry)
XX
DE Infectious pancreatic necrosis virus antigen #16.
XX
KW Infectious pancreatic necrosis virus; IPNV; antigen; antibody; VP2; VP3;
KW vaccine; infection; fish; detection; diagnosis.
XX
OS Infectious pancreatic necrosis virus.
XX
PN WO9404565-A2.
XX
PD 03-MAR-1994.
XX
PF 25-AUG-1993; 93WO-GB001812.
XX
PR 26-AUG-1992; 92GB-00018163.
PR 17-SEP-1992; 92GB-00019710.
XX
PA (PROT-) PROTEUS MOLECULAR DESIGN LTD.
XX
PI Fishleigh RV, Greaney PJ, Robson B, Shakespeare AP;
XX
DR WPI; 1994-083109/10.
XX
PT New polypeptide(s) corresp. to infectious pancreatic necrosis virus -
PT used to develop prods. for detection, prophylaxis and therapy of virus
PT infection, partic. in fish.
XX
PS Disclosure; Page 34; 47pp; English.
XX
CC The sequences given in AAR49054-82 are examples of the generic sequences
CC given in AAR49083-91 which represent peptides corresponding to infectious
CC pancreatic necrosis virus (IPNV) antigens. These peptides induce the
CC production of antibodies which will cross-react with VP2 and VP3 proteins
CC produced by a range of IPNV strains. They can be used in vaccines to
CC prevent infection by one or more strains of IPNV, particularly in fish.
CC The polypeptides and antibodies can also be used for detection and
CC diagnosis of IPNV infection. (Updated on 25-MAR-2003 to correct PN

CC field.) (Updated on 25-MAR-2003 to correct PA field.)
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAK 9
|||
Db 9 GAK 11

RESULT 71
AAR49117
ID AAR49117 standard; protein; 11 AA.
XX
AC AAR49117;
XX
DT 25-MAR-2003 (revised)
DT 12-AUG-1994 (first entry)
XX
DE Sequence of peptide of Forumula IX which corresp. to infectious
DE pancreatic necrosis virus (IPNV).
XX
KW Infectious pancreatic necrosis virus; antigen; antibodies; VP2; VP3;
KW vaccine; diagnosis.
XX
OS Synthetic.
XX
PN WO9404565-A2.
XX
PD 03-MAR-1994.
XX
PF 25-AUG-1993; 93WO-GB001812.
XX
PR 26-AUG-1992; 92GB-00018163.
PR 17-SEP-1992; 92GB-00019710.
XX
PA (PROT-) PROTEUS MOLECULAR DESIGN LTD.
XX
PI Fishleigh RV, Greaney PJ, Robson B, Shakespeare AP;
XX
DR WPI; 1994-083109/10.
XX
PT New polypeptide(s) corresp. to infectious pancreatic necrosis virus -
PT used to develop prods. for detection, prophylaxis and therapy of virus
PT infection, partic. in fish.
XX
PS Claim 1; Page 33; 47pp; English.
XX
CC The peptide may be as it is, or additional AAs may be present on the N-
CC and/or C-terminus with the proviso that: (i) when present they do not
CC form an epitope or part of an epitope of the VP2 or VP3 proteins of any
CC strain of IPNV which, in the sequence of the VP2 or VP3 proteins of the
CC strain, is contiguous with the sequence to which the N- and C- terminal
CC AA(s) are attached, the polypeptide opt. contg. a functionalised

CC coupling moiety; or (ii) if the N- or C-terminal AA(s) are such that the
CC region of homology with the sequence of the VP2 or VP3 protein of any
CC strain of IPNV extends into the X or Y sequences, the region of homology
CC must not be so long as to have a significant detrimental effect on the
CC efficacy of the polypeptide to elicit antibodies of high specificity.
CC (Updated on 25-MAR-2003 to correct PN field.) (Updated on 25-MAR-2003 to
CC correct PA field.)

XX

SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAK 9
|||
Db 9 GAK 11

RESULT 72

AAR49119

ID AAR49119 standard; protein; 11 AA.

XX

AC AAR49119;

XX

DT 25-MAR-2003 (revised)

DT 12-AUG-1994 (first entry)

XX

DE Sequence of peptide of Forumula IX which corresp. to infectious
DE pancreatic necrosis virus (IPNV).

XX

KW Infectious pancreatic necrosis virus; antigen; antibodies; VP2; VP3;
KW vaccine; diagnosis.

XX

OS Synthetic.

XX

PN WO9404565-A2.

XX

PD 03-MAR-1994.

XX

PF 25-AUG-1993; 93WO-GB001812.

XX

PR 26-AUG-1992; 92GB-00018163.

PR 17-SEP-1992; 92GB-00019710.

XX

PA (PROT-) PROTEUS MOLECULAR DESIGN LTD.

XX

PI Fishleigh RV, Greaney PJ, Robson B, Shakespeare AP;

XX

DR WPI; 1994-083109/10.

XX

PT New polypeptide(s) corresp. to infectious pancreatic necrosis virus -
PT used to develop prods. for detection, prophylaxis and therapy of virus
PT infection, partic. in fish.

XX

PS Claim 1; Page 34; 47pp; English.

XX

CC The peptide may be as it is, or additional AAs may be present on the N-
CC and/or C-terminus with the proviso that: (i) when present they do not
CC form an epitope or part of an epitope of the VP2 or VP3 proteins of any
CC strain of IPNV which, in the sequence of the VP2 or VP3 proteins of the
CC strain, is contiguous with the sequence to which the N- and C-terminal
CC AA(s) are attached, the polypeptide opt. contg. a functionalised
CC coupling moiety; or (ii) if the N- or C-terminal AA(s) are such that the
CC region of homology with the sequence of the VP2 or VP3 protein of any
CC strain of IPNV extends into the X or Y sequences, the region of homology
CC must not be so long as to have a significant detrimental effect on the
CC efficacy of the polypeptide to elicit antibodies of high specificity.
CC (Updated on 25-MAR-2003 to correct PN field.) (Updated on 25-MAR-2003 to
CC correct PA field.)

XX

SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy

7 GAK 9

|||

Db

9 GAK 11

RESULT 73

AAR49067

ID AAR49067 standard; peptide; 11 AA.

XX

AC AAR49067;

XX

DT 25-MAR-2003 (revised)

DT 23-SEP-1994 (first entry)

XX

DE Infectious pancreatic necrosis virus antigen #14.

XX

KW Infectious pancreatic necrosis virus; IPNV; antigen; antibody; VP2; VP3;
KW vaccine; infection; fish; detection; diagnosis.

XX

OS Infectious pancreatic necrosis virus.

XX

PN WO9404565-A2.

XX

PD 03-MAR-1994.

XX

PF 25-AUG-1993; 93WO-GB001812.

XX

PR 26-AUG-1992; 92GB-00018163.

PR 17-SEP-1992; 92GB-00019710.

XX

PA (PROT-) PROTEUS MOLECULAR DESIGN LTD.

XX

PI Fishleigh RV, Greaney PJ, Robson B, Shakespeare AP;

XX

DR WPI; 1994-083109/10.

XX

PT New polypeptide(s) corresp. to infectious pancreatic necrosis virus -

PT used to develop prods. for detection, prophylaxis and therapy of virus
PT infection, partic. in fish.
XX
PS Disclosure; Page 33; 47pp; English.
XX
CC The sequences given in AAR49054-82 are examples of the generic sequences
CC given in AAR49083-91 which represent peptides corresponding to infectious
CC pancreatic necrosis virus (IPNV) antigens. These peptides induce the
CC production of antibodies which will cross-react with VP2 and VP3 proteins
CC produced by a range of IPNV strains. They can be used in vaccines to
CC prevent infection by one or more strains of IPNV, particularly in fish.
CC The polypeptides and antibodies can also be used for detection and
CC diagnosis of IPNV infection. (Updated on 25-MAR-2003 to correct PN
CC field.) (Updated on 25-MAR-2003 to correct PA field.)
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAK 9
 |||
Db 9 GAK 11

RESULT 74
AAR52710
ID AAR52710 standard; protein; 11 AA.
XX
AC AAR52710;
XX
DT 25-MAR-2003 (revised)
DT 06-JAN-1995 (first entry)
XX
DE Enkephalinase peptide fragment KC31.
XX
KW Human; enkephalinase; neutral endopeptidase; kidney; intestine; kinin;
KW kidney brush border neutral proteinase; pituitary; brain; lymph nodes;
KW neutrophils; enkephalins; tachykinins.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Misc-difference 1
FT /note= "Unidentified amino acid"
XX
PN EP596355-A1.
XX
PD 11-MAY-1994.
XX
PF 23-DEC-1987; 93EP-00117230.
XX
PR 24-DEC-1986; 86US-00946566.
PR 12-JAN-1987; 87US-00002478.
XX
PA (GETH) GENENTECH INC.

XX
PI Malfroy-Camine B, Schofield PR;
XX
DR WPI; 1994-152785/19.
XX
PT Method for assay of enkephalinase using dansylated peptide(s) - for
PT identification of recombinant enkephalinase.
XX
PS Example 1; Page 13; 61pp; English.
XX
CC The sequences given in AAR52709-14 represents peptide fragments of rat
CC enkephalinase derived from rat kidney. These peptides were generated by
CC Lysine-C proteinase digestion of enkephalinase and HPLC purification.
CC Enkephalinase is a neutral endopeptidase or kidney brush border neutral
CC proteinase. It has been isolated from the kidney, intestine, pituitary,
CC brain and lymph nodes, and has been detected in many peripheral organs
CC and in human neutrophils. The distribution of enkephalinase in the brain
CC closely parallels that of the enkephalins. Mammalian enkephalinase may be
CC used in the treatment of various pathological disorders associated with
CC various endogenous peptides, eg. tachykinins and kinins. (Updated on 25-
CC MAR-2003 to correct PN field.) (Updated on 25-MAR-2003 to correct PF
CC field.)
XX
SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KPK 11
|||
Db 9 KPK 11

RESULT 75
AAR71315
ID AAR71315 standard; peptide; 11 AA.
XX
AC AAR71315;
XX
DT 25-MAR-2003 (revised)
DT 18-AUG-1995 (first entry)
XX
DE GPV K5/6 peptide(31-41).
XX
KW Glycoprotein V; GPV; platelet; polymerase chain reaction; PCR; primer.
XX
OS Synthetic.
XX
PN WO9502054-A2.
XX
PD 19-JAN-1995.
XX
PF 07-JUL-1994; 94WO-US007644.
XX
PR 09-JUL-1993; 93US-00089455.
PR 03-DEC-1993; 93US-00162599.

PR 10-FEB-1994; 94US-00195006.

XX

PA (CORT-) COR THERAPEUTICS INC.

XX

PI Lanza F, Phillips DR, Cazenave J;

XX

DR WPI; 1995-066899/09.

XX

PT Platelet glycoprotein V gene - useful for producing glycoprotein V (GPV)
PT and variants and generating antibodies to GPV.

XX

PS Disclosure; Table 1; 82pp; English.

XX

CC Primers used for the PCR amplification of human platelet glycoprotein V
CC (GPV) cDNA are given in AAQ85595-602. Primer 4(-) is based on K5/6
CC peptide residues 31-41 (AAR71315) of GPV. (Updated on 25-MAR-2003 to
CC correct PN field.)

XX

SQ Sequence 11 AA;

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ALN 5

|||

Db 3 ALN 5

Search completed: April 8, 2004, 15:39:51

Job time : 45.3077 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 8, 2004, 15:30:08 ; Search time 11.3077 Seconds
(without alignments)
50.221 Million cell updates/sec

Title: US-09-787-443A-3

Perfect score: 11

Sequence: 1 ARALNWGAKPK 11

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 389414 seqs, 51625971 residues

Word size : 0

Total number of hits satisfying chosen parameters: 8542

Minimum DB seq length: 11

Maximum DB seq length: 11

Post-processing: Listing first 100 summaries

Database : Issued_Patents_AA:*

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2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

%

Result No.	Query					Description
	Score	Match	Length	DB	ID	
1	4	36.4	11	3	US-08-844-978-32	Sequence 32, Appl
2	4	36.4	11	3	US-08-844-978-35	Sequence 35, Appl
3	4	36.4	11	4	US-09-535-852-935	Sequence 935, App
4	4	36.4	11	4	US-09-535-852-936	Sequence 936, App
5	4	36.4	11	4	US-09-535-852-942	Sequence 942, App
6	4	36.4	11	4	US-09-535-852-943	Sequence 943, App
7	4	36.4	11	4	US-09-535-852-963	Sequence 963, App
8	4	36.4	11	4	US-09-535-852-964	Sequence 964, App
9	4	36.4	11	4	US-09-535-852-970	Sequence 970, App
10	4	36.4	11	4	US-09-535-852-971	Sequence 971, App
11	4	36.4	11	4	US-09-535-852-991	Sequence 991, App

12	4	36.4	11	4	US-09-535-852-992	Sequence 992, App
13	4	36.4	11	4	US-09-535-852-998	Sequence 998, App
14	4	36.4	11	4	US-09-535-852-999	Sequence 999, App
15	4	36.4	11	4	US-09-535-852-1019	Sequence 1019, Ap
16	4	36.4	11	4	US-09-535-852-1020	Sequence 1020, Ap
17	4	36.4	11	4	US-09-535-852-1026	Sequence 1026, Ap
18	4	36.4	11	4	US-09-535-852-1027	Sequence 1027, Ap
19	4	36.4	11	4	US-09-535-852-1047	Sequence 1047, Ap
20	4	36.4	11	4	US-09-535-852-1048	Sequence 1048, Ap
21	4	36.4	11	4	US-09-535-852-1054	Sequence 1054, Ap
22	4	36.4	11	4	US-09-535-852-1055	Sequence 1055, Ap
23	4	36.4	11	4	US-09-535-852-1213	Sequence 1213, Ap
24	4	36.4	11	4	US-09-535-852-1214	Sequence 1214, Ap
25	4	36.4	11	4	US-09-535-852-1218	Sequence 1218, Ap
26	4	36.4	11	4	US-09-535-852-1219	Sequence 1219, Ap
27	4	36.4	11	4	US-09-535-852-1237	Sequence 1237, Ap
28	4	36.4	11	4	US-09-535-852-1238	Sequence 1238, Ap
29	4	36.4	11	4	US-09-535-852-1242	Sequence 1242, Ap
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31	4	36.4	11	4	US-09-535-852-1261	Sequence 1261, Ap
32	4	36.4	11	4	US-09-535-852-1262	Sequence 1262, Ap
33	4	36.4	11	4	US-09-535-852-1266	Sequence 1266, Ap
34	4	36.4	11	4	US-09-535-852-1267	Sequence 1267, Ap
35	4	36.4	11	4	US-09-535-852-1285	Sequence 1285, Ap
36	4	36.4	11	4	US-09-535-852-1286	Sequence 1286, Ap
37	4	36.4	11	4	US-09-535-852-1290	Sequence 1290, Ap
38	4	36.4	11	4	US-09-535-852-1291	Sequence 1291, Ap
39	4	36.4	11	4	US-09-535-852-1309	Sequence 1309, Ap
40	4	36.4	11	4	US-09-535-852-1310	Sequence 1310, Ap
41	4	36.4	11	4	US-09-535-852-1314	Sequence 1314, Ap
42	4	36.4	11	4	US-09-535-852-1315	Sequence 1315, Ap
43	4	36.4	11	4	US-09-479-378-32	Sequence 32, Appl
44	4	36.4	11	4	US-09-479-378-35	Sequence 35, Appl
45	3	27.3	11	1	US-07-842-089E-16	Sequence 16, Appl
46	3	27.3	11	1	US-07-842-089E-17	Sequence 17, Appl
47	3	27.3	11	1	US-08-030-731A-48	Sequence 48, Appl
48	3	27.3	11	1	US-08-264-485-16	Sequence 16, Appl
49	3	27.3	11	1	US-08-264-485-17	Sequence 17, Appl
50	3	27.3	11	1	US-07-807-062-4	Sequence 4, Appli
51	3	27.3	11	1	US-07-723-002C-14	Sequence 14, Appl
52	3	27.3	11	1	US-08-111-939-7	Sequence 7, Appli
53	3	27.3	11	1	US-08-116-733-33	Sequence 33, Appl
54	3	27.3	11	1	US-08-081-259-5	Sequence 5, Appli
55	3	27.3	11	1	US-08-687-226-69	Sequence 69, Appl
56	3	27.3	11	1	US-08-465-167A-9	Sequence 9, Appli
57	3	27.3	11	1	US-08-471-780C-124	Sequence 124, App
58	3	27.3	11	1	US-08-191-866D-71	Sequence 71, Appl
59	3	27.3	11	1	US-08-467-282B-124	Sequence 124, App
60	3	27.3	11	1	US-08-462-212-4	Sequence 4, Appli
61	3	27.3	11	2	US-08-471-741-4	Sequence 4, Appli
62	3	27.3	11	2	US-08-471-282A-124	Sequence 124, App
63	3	27.3	11	2	US-08-733-505A-28	Sequence 28, Appl
64	3	27.3	11	2	US-08-733-505A-31	Sequence 31, Appl
65	3	27.3	11	2	US-08-733-505A-33	Sequence 33, Appl
66	3	27.3	11	2	US-08-733-505A-36	Sequence 36, Appl
67	3	27.3	11	2	US-08-633-148-20	Sequence 20, Appl
68	3	27.3	11	2	US-08-244-336-4	Sequence 4, Appli

69	3	27.3	11	2	US-08-251-472-1	Sequence 1, Appli
70	3	27.3	11	2	US-08-185-949B-71	Sequence 71, Appl
71	3	27.3	11	2	US-08-466-710C-124	Sequence 124, App
72	3	27.3	11	2	US-08-968-676-12	Sequence 12, Appl
73	3	27.3	11	2	US-08-706-741B-63	Sequence 63, Appl
74	3	27.3	11	2	US-08-706-741B-66	Sequence 66, Appl
75	3	27.3	11	2	US-08-706-741B-68	Sequence 68, Appl
76	3	27.3	11	2	US-08-706-741B-71	Sequence 71, Appl
77	3	27.3	11	2	US-08-433-133-46	Sequence 46, Appl
78	3	27.3	11	2	US-08-484-905-21	Sequence 21, Appl
79	3	27.3	11	2	US-08-924-695A-63	Sequence 63, Appl
80	3	27.3	11	2	US-08-924-695A-66	Sequence 66, Appl
81	3	27.3	11	2	US-08-924-695A-68	Sequence 68, Appl
82	3	27.3	11	2	US-08-924-695A-71	Sequence 71, Appl
83	3	27.3	11	3	US-08-592-500-12	Sequence 12, Appl
84	3	27.3	11	3	US-08-481-985B-21	Sequence 21, Appl
85	3	27.3	11	3	US-09-248-082-1	Sequence 1, Appli
86	3	27.3	11	3	US-08-468-739C-124	Sequence 124, App
87	3	27.3	11	3	US-08-195-006-12	Sequence 12, Appl
88	3	27.3	11	3	US-09-330-095-3	Sequence 3, Appli
89	3	27.3	11	3	US-08-816-346-14	Sequence 14, Appl
90	3	27.3	11	3	US-08-370-476-21	Sequence 21, Appl
91	3	27.3	11	3	US-09-335-411-14	Sequence 14, Appl
92	3	27.3	11	3	US-08-960-780-65	Sequence 65, Appl
93	3	27.3	11	3	US-08-995-172-16	Sequence 16, Appl
94	3	27.3	11	3	US-09-208-966-4	Sequence 4, Appli
95	3	27.3	11	3	US-09-208-966-5	Sequence 5, Appli
96	3	27.3	11	3	US-09-208-966-6	Sequence 6, Appli
97	3	27.3	11	3	US-09-208-966-39	Sequence 39, Appl
98	3	27.3	11	3	US-09-208-966-40	Sequence 40, Appl
99	3	27.3	11	3	US-09-208-966-41	Sequence 41, Appl
100	3	27.3	11	3	US-09-208-966-55	Sequence 55, Appl

ALIGNMENTS

RESULT 1

US-08-844-978-32

; Sequence 32, Application US/08844978

; Patent No. 6075004

; GENERAL INFORMATION:

; APPLICANT: Benedict, Stephen

; APPLICANT: Siahaan, Teruna

; APPLICANT: Chan, Marcia

; APPLICANT: Tibbetts, Scott

; TITLE OF INVENTION: Peptide Compositions Which Induce Immune

; NUMBER OF SEQUENCES: 36

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS

; STREET: 2405 Grand Boulevard, Suite 400

; CITY: Kansas City

; STATE: MO

; COUNTRY: USA

; ZIP: 64108

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/844,978
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Collins, John M.
; REGISTRATION NUMBER: 26262
; REFERENCE/DOCKET NUMBER: 24769-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (816) 474-9050
; TELEFAX: 816) 474-9057
; TELEX: 434-363
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-844-978-32

Query Match 36.4%; Score 4; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 6 RALN 9

RESULT 2
US-08-844-978-35
; Sequence 35, Application US/08844978
; Patent No. 6075004
; GENERAL INFORMATION:
; APPLICANT: Benedict, Stephen
; APPLICANT: Siahaan, Teruna
; APPLICANT: Chan, Marcia
; APPLICANT: Tibbetts, Scott
; TITLE OF INVENTION: Peptide Compositions Which Induce Immune
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
; STREET: 2405 Grand Boulevard, Suite 400
; CITY: Kansas City
; STATE: MO
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/844,978

; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Collins, John M.
; REGISTRATION NUMBER: 26262
; REFERENCE/DOCKET NUMBER: 24769-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (816)474-9050
; TELEFAX: 816)474-9057
; TELEX: 434-363
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: circular
; MOLECULE TYPE: peptide

US-08-844-978-35

Query Match 36.4%; Score 4; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 6 RALN 9

RESULT 3

US-09-535-852-935

; Sequence 935, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 935
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence

US-09-535-852-935

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||

Db

4 RALN 7

RESULT 4

US-09-535-852-936

; Sequence 936, Application US/09535852

; Patent No. 6638911

; GENERAL INFORMATION:

; APPLICANT: Blachuk, Orest W.

; APPLICANT: Symonds, James M.

; APPLICANT: Gour, Barbara J.

; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING

; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS

; FILE REFERENCE: 100086.407C6

; CURRENT APPLICATION NUMBER: US/09/535,852

; CURRENT FILING DATE: 2001-05-21

; NUMBER OF SEQ ID NOS: 2009

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 936

; LENGTH: 11

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Cyclicized modulating agent comprising

; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence

US-09-535-852-936

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5

||||

Db 4 RALN 7

RESULT 5

US-09-535-852-942

; Sequence 942, Application US/09535852

; Patent No. 6638911

; GENERAL INFORMATION:

; APPLICANT: Blachuk, Orest W.

; APPLICANT: Symonds, James M.

; APPLICANT: Gour, Barbara J.

; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING

; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS

; FILE REFERENCE: 100086.407C6

; CURRENT APPLICATION NUMBER: US/09/535,852

; CURRENT FILING DATE: 2001-05-21

; NUMBER OF SEQ ID NOS: 2009

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 942

; LENGTH: 11

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Cyclicized modulating agent comprising

; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-942

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 6

US-09-535-852-943

; Sequence 943, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 943
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-943

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 7

US-09-535-852-963

; Sequence 963, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852

; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 963
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclicized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-963

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 8

US-09-535-852-964

; Sequence 964, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 964
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclicized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-964

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 9

US-09-535-852-970

; Sequence 970, Application US/09535852

; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 970
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-970

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 10
US-09-535-852-971
; Sequence 971, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 971
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-971

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 ||||
Db 4 RALN 7

RESULT 11
US-09-535-852-991
; Sequence 991, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 991
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclicized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-991

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 ||||
Db 4 RALN 7

RESULT 12
US-09-535-852-992
; Sequence 992, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 992
; LENGTH: 11
; TYPE: PRT

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-992

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 13

US-09-535-852-998

; Sequence 998, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 998
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-998

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 14

US-09-535-852-999

; Sequence 999, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING

; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 999
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclicized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-999

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 4 RALN 7

RESULT 15
US-09-535-852-1019
; Sequence 1019, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1019
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclicized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-1019

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 4 RALN 7

RESULT 16
US-09-535-852-1020
; Sequence 1020, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1020
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-1020

Query Match 36.48; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 |||||
Db 4 RALN 7

RESULT 17
US-09-535-852-1026
; Sequence 1026, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1026
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-1026

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 4 RALN 7

RESULT 18
US-09-535-852-1027
; Sequence 1027, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1027
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-1027

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 4 RALN 7

RESULT 19
US-09-535-852-1047
; Sequence 1047, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 1047
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-1047

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 20

US-09-535-852-1048

; Sequence 1048, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1048
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-1048

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 21

US-09-535-852-1054

; Sequence 1054, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.

; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1054
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-1054

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 22
US-09-535-852-1055
; Sequence 1055, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1055
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-1 cell adhesion recognition sequence
US-09-535-852-1055

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||

Db 4 RALN 7

RESULT 23
US-09-535-852-1213
; Sequence 1213, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1213
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclicized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1213

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 24
US-09-535-852-1214
; Sequence 1214, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1214
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclicized modulating agent comprising

; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1214

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 25

US-09-535-852-1218

; Sequence 1218, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1218
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1218

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 5 RALN 8

RESULT 26

US-09-535-852-1219

; Sequence 1219, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852

; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1219
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclicized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1219

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 ||||
Db 5 RALN 8

RESULT 27

US-09-535-852-1237

; Sequence 1237, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1237
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclicized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1237

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 ||||
Db 4 RALN 7

RESULT 28

US-09-535-852-1238

; Sequence 1238, Application US/09535852

; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1238
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1238

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 29
US-09-535-852-1242
; Sequence 1242, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1242
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1242

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 ||||
Db 5 RALN 8

RESULT 30
US-09-535-852-1243
; Sequence 1243, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1243
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclicized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1243

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 ||||
Db 5 RALN 8

RESULT 31
US-09-535-852-1261
; Sequence 1261, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1261
; LENGTH: 11
; TYPE: PRT

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1261

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 32

US-09-535-852-1262

; Sequence 1262, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1262
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1262

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 33

US-09-535-852-1266

; Sequence 1266, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING

; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1266
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclicized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1266

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 5 RALN 8

RESULT 34
US-09-535-852-1267

; Sequence 1267, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1267
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclicized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1267

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 5 RALN 8

RESULT 35
US-09-535-852-1285
; Sequence 1285, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1285
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1285

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 RALN 5
 |||||
Db 4 RALN 7

RESULT 36
US-09-535-852-1286
; Sequence 1286, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1286
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1286

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 37

US-09-535-852-1290
; Sequence 1290, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1290
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1290

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 5 RALN 8

RESULT 38

US-09-535-852-1291
; Sequence 1291, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 1291
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1291

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 5 RALN 8

RESULT 39

US-09-535-852-1309

; Sequence 1309, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1309
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1309

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 40

US-09-535-852-1310

; Sequence 1310, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.

; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1310
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1310

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||
Db 4 RALN 7

RESULT 41
US-09-535-852-1314
; Sequence 1314, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1314
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1314

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
||||

Db 5 RALN 8

RESULT 42
US-09-535-852-1315
; Sequence 1315, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1315
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Cyclized modulating agent comprising
; OTHER INFORMATION: desmoglein-3 cell adhesion recognition sequence
US-09-535-852-1315

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
Db 5 RALN 8

RESULT 43
US-09-479-378-32
; Sequence 32, Application US/09479378
; Patent No. 6653282
; GENERAL INFORMATION:
; APPLICANT: Benedict, Stephen
; Siahaan, Teruna
; Chan, Marcia
; Tibbetts, Scott
; TITLE OF INVENTION: Peptide Compositions Which Induce Immune
; Tolerance and Methods of Use
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
; STREET: 2405 Grand Boulevard, Suite 400
; CITY: Kansas City
; STATE: MO
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/479,378
; FILING DATE: 01-Jan-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/844,978
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Collins, John M.
; REGISTRATION NUMBER: 26262
; REFERENCE/DOCKET NUMBER: 24769-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (816) 474-9050
; TELEFAX: 816) 474-9057
; TELEX: 434-363
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-479-378-32

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 ||||
Db 6 RALN 9

RESULT 44
US-09-479-378-35
; Sequence 35, Application US/09479378
; Patent No. 6653282
; GENERAL INFORMATION:
; APPLICANT: Benedict, Stephen
; Siahaan, Teruna
; Chan, Marcia
; Tibbetts, Scott
; TITLE OF INVENTION: Peptide Compositions Which Induce Immune
; Tolerance and Methods of Use
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
; STREET: 2405 Grand Boulevard, Suite 400
; CITY: Kansas City
; STATE: MO
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/479,378
; FILING DATE: 01-Jan-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/844,978
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Collins, John M.
; REGISTRATION NUMBER: 26262
; REFERENCE/DOCKET NUMBER: 24769-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (816)474-9050
; TELEFAX: 816)474-9057
; TELEX: 434-363
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: circular
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-09-479-378-35

Query Match 36.4%; Score 4; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RALN 5
 ||||
Db 6 RALN 9

RESULT 45
US-07-842-089E-16
; Sequence 16, Application US/07842089E
; Patent No. 5356875
; GENERAL INFORMATION:
; APPLICANT: SARMIENTOS, PAOLO
; APPLICANT: DE TAXIS DU POET, PHILIPPE
; APPLICANT: NITTI, GIAMPAOLO
; APPLICANT: SCACHERI, EMANUELA
; TITLE OF INVENTION: ANTI-THROMBIN POLYPEPTIDES
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/842,089E
; FILING DATE: 26-FEB-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5356875man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 769-265-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)412-3000
; TELEFAX: (703)413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Hirudinaria manillensis
; FEATURE:
; NAME/KEY: Region
; LOCATION: 1..11
; OTHER INFORMATION: /note= "This sequence corresponds
; OTHER INFORMATION: to amino acids 37-47 of SEQ ID NO:1."
US-07-842-089E-16

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KPK 11
 |||
Db 9 KPK 11

RESULT 46
US-07-842-089E-17
; Sequence 17, Application US/07842089E
; Patent No. 5356875
; GENERAL INFORMATION:
; APPLICANT: SARMIENTOS, PAOLO
; APPLICANT: DE TAXIS DU POET, PHILIPPE
; APPLICANT: NITTI, GIAMPAOLO
; APPLICANT: SCACHERI, EMANUELA
; TITLE OF INVENTION: ANTI-THROMBIN POLYPEPTIDES
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.

; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/842,089E
; FILING DATE: 26-FEB-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5356875man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 769-265-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)412-3000
; TELEFAX: (703)413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Hirudinaria manillensis
; FEATURE:
; NAME/KEY: Region
; LOCATION: 1..11
; OTHER INFORMATION: /note= "This sequence corresponds
; OTHER INFORMATION: to amino acids 37-47 of SEQ ID NO:1."
US-07-842-089E-17

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KPK 11
 |||
Db 9 KPK 11

RESULT 47

US-08-030-731A-48
; Sequence 48, Application US/08030731A
; Patent No. 5426036
; GENERAL INFORMATION:
; APPLICANT: Koller, Klaus-Peter
; APPLICANT: Riess, Guenther Johannes
; APPLICANT: Uhlmann, Eugen
; APPLICANT: Wallmeier, Holger
; TITLE OF INVENTION: Processes for the Preparation of Foreign
; TITLE OF INVENTION: Proteins in Streptomyces
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner

; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/030,731A
; FILING DATE: 12-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/189,840
; FILING DATE: 03-MAY-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/430,622
; FILING DATE: 01-NOV-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/687,610
; FILING DATE: 19-APR-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/735,757
; FILING DATE: 29-JUL-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P 37 14 866.4
; FILING DATE: 05-MAY-1987
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P 38 37 273.8
; FILING DATE: 03-NOV-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P 39 27 449.7
; FILING DATE: 19-AUG-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P 40 12 818.0
; FILING DATE: 21-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Kirschner Michael K.
; REGISTRATION NUMBER: 34,851
; REFERENCE/DOCKET NUMBER: 02481-0593-02000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 8
; OTHER INFORMATION: /note= "Xaa represents a
; OTHER INFORMATION: hydrophobic region comprising 10 to 25 amino
; OTHER INFORMATION: acids."

US-08-030-731A-48

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Query Match          27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches      3; Conservative    0; Mismatches    0; Indels      0; Gaps      0;

Qy          2 RAL 4
           |||
Db          4 RAL 6
```

RESULT 48

US-08-264-485-16

```
; Sequence 16, Application US/08264485
; Patent No. 5439820
; GENERAL INFORMATION:
;   APPLICANT: SARMIENTOS, PAOLO
;   APPLICANT: DE TAXIS DU POET, PHILIPPE
;   APPLICANT: NITTI, GIAMPAOLO
;   APPLICANT: SCACHERI, EMANUELA
;   TITLE OF INVENTION: ANTI-THROMBIN POLYPEPTIDES
;   NUMBER OF SEQUENCES: 59
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;     ADDRESSEE: P.C.
;     STREET: 1755 Jefferson Davis Highway, Fourth Floor
;     CITY: Arlington
;     STATE: Virginia
;     COUNTRY: U.S.A.
;     ZIP: 22202
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/264,485
;   FILING DATE: 23-JUN-1994
;   CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 07/842,089
;   FILING DATE: 26-FEB-1992
;   CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
;   NAME: Oblon, No. 5439820man F.
;   REGISTRATION NUMBER: 24,618
;   REFERENCE/DOCKET NUMBER: 769-265-0
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (703)412-3000
;   TELEFAX: (703)413-2220
;   TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 11 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: peptide
```

; ORIGINAL SOURCE:
; ORGANISM: Hirudinaria manillensis
; FEATURE:
; NAME/KEY: Region
; LOCATION: 1..11
; OTHER INFORMATION: /note= "This sequence corresponds
; OTHER INFORMATION: to amino acids 37-47 of SEQ ID NO:1."
US-08-264-485-16

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 KPK 11
|||
Db 9 KPK 11

RESULT 49

US-08-264-485-17

; Sequence 17, Application US/08264485
; Patent No. 5439820
; GENERAL INFORMATION:
; APPLICANT: SARMIENTOS, PAOLO
; APPLICANT: DE TAXIS DU POET, PHILIPPE
; APPLICANT: NITTI, GIAMPAOLO
; APPLICANT: SCACHERI, EMANUELA
; TITLE OF INVENTION: ANTI-THROMBIN POLYPEPTIDES
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/264,485
; FILING DATE: 23-JUN-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/842,089
; FILING DATE: 26-FEB-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5439820man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 769-265-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)412-3000
; TELEFAX: (703)413-2220

; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Hirudinaria manillensis
; FEATURE:
; NAME/KEY: Region
; LOCATION: 1..11
; OTHER INFORMATION: /note= "This sequence corresponds
; OTHER INFORMATION: to amino acids 37-47 of SEQ ID NO:1."
US-08-264-485-17

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KPK 11
|||
Db 9 KPK 11

RESULT 50

US-07-807-062-4

; Sequence 4, Application US/07807062
; Patent No. 5443815
; GENERAL INFORMATION:
; APPLICANT: Dean, Richard T
; APPLICANT: McBride, William
; APPLICANT: Buttram, Scott
; TITLE OF INVENTION: Technetium-99m Labeled Peptides for
; TITLE OF INVENTION: Imaging
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Allegretti & Witcoff, Ltd.
; STREET: 10 South Wacker Drive Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/807,062
; FILING DATE: 27-NOV-1991
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5443815nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 91,875
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; TELEX: 910-221-5317
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

US-07-807-062-4

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 4 RAL 6

RESULT 51

US-07-723-002C-14

; Sequence 14, Application US/07723002C
; Patent No. 5447862
; GENERAL INFORMATION:
; APPLICANT: Heim, Jutta
; APPLICANT: Meyhack, Bernd
; APPLICANT: Gysler, Christof
; APPLICANT: Visser, Jacob
; APPLICANT: Kester, Hermanus Cornelis Maria
; TITLE OF INVENTION: No. 5447862el Expression System
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/723,002C
; FILING DATE: 28-JUN-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 8702475
; FILING DATE: 04-FEB-1987
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 150,880
; FILING DATE: 29-JAN-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 8818046.8
; FILING DATE: 28-JUL-1988

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 8914666.6
; FILING DATE: 26-JUN-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 384,898
; FILING DATE: 24-JUL-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Foley, Shawn P.
; REGISTRATION NUMBER: 33,071
; REFERENCE/DOCKET NUMBER: 4-16317/+/CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (919)541-8615
; TELEFAX: (919)541-8689
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-723-002C-14

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 5 ARA 7

RESULT 52
US-08-111-939-7
; Sequence 7, Application US/08111939
; Patent No. 5460951
; GENERAL INFORMATION:
; APPLICANT: Kawai, Shinji
; APPLICANT: Takeshita, Sunao
; APPLICANT: Okazaki, Makoto
; APPLICANT: Amann, Egon
; TITLE OF INVENTION: Bone-Related Carboxypeptidase-Like
; TITLE OF INVENTION: Protein and Process for its Production
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/111,939

; FILING DATE: 26-AUG-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 324033/92
; FILING DATE: 03-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 230029/92
; FILING DATE: 28-AUG-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Forman, David S.
; REGISTRATION NUMBER: 33,694
; REFERENCE/DOCKET NUMBER: 02481.1321-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4000
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: OSF 5.1 (antigen peptide)
; DESCRIPTION: segment of mouse OSF-5 from the 116th to
; DESCRIPTION: the 126th amino acid residue
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
US-08-111-939-7

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KPK 11
|||
Db 1 KPK 3

RESULT 53
US-08-116-733-33
; Sequence 33, Application US/08116733
; Patent No. 5516632
; GENERAL INFORMATION:
; APPLICANT: PALKER, Thomas J.
; APPLICANT: HAYNES, Barton F.
; TITLE OF INVENTION: SYNTHETIC PEPTIDES
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/116,733
; FILING DATE: 07-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 1579-33
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; TELEX: 200797 NIXN UR
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-116-733-33

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AKP 10
|||
Db 3 AKP 5

RESULT 54
US-08-081-259-5
; Sequence 5, Application US/08081259
; Patent No. 5585542
; GENERAL INFORMATION:
; APPLICANT: BRADY, Colin
; APPLICANT: LEE, Elizabeth
; APPLICANT: POGSON, Barry J
; APPLICANT: ORR, Glenda R
; APPLICANT: SPEIRS, James
; TITLE OF INVENTION: DNA Sequences Encoding at least part of the
; TITLE OF INVENTION: Tomato Enzyme Endopolygalacturonase PG1
; TITLE OF INVENTION: beta-Subunit
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vanderhye P.C.
; STREET: 1100 No. 5585542th Glebe Road
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/081,259
; FILING DATE: 21-JUN-1993
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: MITCHARD, Leonard C
; REGISTRATION NUMBER: 29,009
; REFERENCE/DOCKET NUMBER: 47-51
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-081-259-5

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ALN 5
|||
Db 1 ALN 3

RESULT 55
US-08-687-226-69
; Sequence 69, Application US/08687226
; Patent No. 5686068
; GENERAL INFORMATION:
; APPLICANT: Melief, Cornelis J. M.; Visseren, M. W.;
; APPLICANT: van der Burg, Sjoerd; van der Bruggen, Pierre;
; APPLICANT: Boon-Falleur, Thierry
; TITLE OF INVENTION: Isolated Peptides Derived From
; TITLE OF INVENTION: MAGE-2, Cytolytic T Cells Specific To Complexes Of
; TITLE OF INVENTION: Peptides And HLA-A2 Molecules, And Uses Thereof
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/687,226
; FILING DATE: 25-JULY-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/217,188
; FILING DATE: 24-MARCH-1994
; ATTORNEY/AGENT INFORMATION:

; NAME: Hanson, No. 5686068man D.
; REGISTRATION NUMBER: 30,946
; REFERENCE/DOCKET NUMBER: LUD 5447
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 688-9200
; TELEFAX: (212) 838-3884
; INFORMATION FOR SEQ ID NO: 69:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acid residues
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-687-226-69

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 6 RAL 8

RESULT 56

US-08-465-167A-9

; Sequence 9, Application US/08465167A
; Patent No. 5750395
; GENERAL INFORMATION:
; APPLICANT: Fikes, John D.
; APPLICANT: Livingston, Brian D.
; APPLICANT: Sette, Alessandro D.
; APPLICANT: Sidney, John C.
; TITLE OF INVENTION: DNA ENCODING MAGE-1 C-TERMINAL
; TITLE OF INVENTION: IMMUNOGENIC PEPTIDES (as amended)
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 98111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,167A
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/103,623
; FILING DATE: 06-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Parmelee, Steven W.
; REGISTRATION NUMBER: 31,990

; REFERENCE/DOCKET NUMBER: 14137-60-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-467-9600
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-465-167A-9

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 1 RAL 3

RESULT 57

US-08-471-780C-124

; Sequence 124, Application US/08471780C
; Patent No. 5759808
; GENERAL INFORMATION:
; APPLICANT: Casterman, Cecile
; APPLICANT: Hamers, Raymond
; TITLE OF INVENTION: Immunoglobulins Devoid of Light Chains
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/471,780C
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/106,944
; FILING DATE: 17-AUG-1993
; APPLICATION NUMBER: FR 92402326.0
; FILING DATE: 21-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 93401310.3
; FILING DATE: 21-MAY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E.R.

; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 04958.0008-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 124:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-471-780C-124

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 WGA 8
|||
Db 1 WGA 3

RESULT 58
US-08-191-866D-71
; Sequence 71, Application US/08191866D
; Patent No. 5783195
; GENERAL INFORMATION:
; APPLICANT: Cochran, Mark D
; APPLICANT: Macdonald, Richard D.
; TITLE OF INVENTION: Recombinant Infectious Bovine
; TITLE OF INVENTION: Rhinotracheitis Virus S-IBR-052 And Uses Thereof
; NUMBER OF SEQUENCES: 99
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John P. White
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/191,866D
; FILING DATE: 4 February 1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; TELEX: 422523
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-191-866D-71

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AKP 10
|||
Db 4 AKP 6

RESULT 59

US-08-467-282B-124

; Sequence 124, Application US/08467282B
; Patent No. 5800988
; GENERAL INFORMATION:
; APPLICANT: Casterman, Cecile
; APPLICANT: Hamers, Raymond
; TITLE OF INVENTION: Immunoglobulins Devoid of Light Chains
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,282B
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/106,944
; FILING DATE: 17-AUG-1993
; APPLICATION NUMBER: FR 92402326.0
; FILING DATE: 21-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 93401310.3
; FILING DATE: 21-MAY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E.R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 04958.0008-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 124:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-467-282B-124

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 WGA 8
|||
Db 1 WGA 3

RESULT 60

US-08-462-212-4

; Sequence 4, Application US/08462212
; Patent No. 5807537
; GENERAL INFORMATION:
; APPLICANT: Dean, Richard T
; APPLICANT: McBride, William
; APPLICANT: Buttram, Scott
; TITLE OF INVENTION: Technetium-99m Labeled Peptides for
; TITLE OF INVENTION: Imaging
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 10 South Wacker Drive Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/462,212
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5807537nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 91,875-R
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; TELEX: 910-221-5317
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-462-212-4

Query Match 27.3%; Score 3; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 4 RAL 6

RESULT 61

US-08-471-741-4

; Sequence 4, Application US/08471741
; Patent No. 5814297
; GENERAL INFORMATION:
; APPLICANT: Dean, Richard T
; APPLICANT: McBride, William
; APPLICANT: Buttram, Scott
; TITLE OF INVENTION: Technetium-99m Labeled Peptides for
; TITLE OF INVENTION: Imaging
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Allegretti, Ltd.
; STREET: 10 South Wacker Drive Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/471,741
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5814297nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 91,875-Q
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; TELEX: 910-221-5317
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

US-08-471-741-4

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 4 RAL 6

RESULT 62
US-08-471-282A-124
; Sequence 124, Application US/08471282A
; Patent No. 5840853
; GENERAL INFORMATION:
; APPLICANT: Casterman, Cecile
; APPLICANT: Hamers, Raymond
; TITLE OF INVENTION: Immunoglobulins Devoid of Light Chains
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/471,282A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/106,944
; FILING DATE: 17-AUG-1993
; APPLICATION NUMBER: FR 92402326.0
; FILING DATE: 21-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 93401310.3
; FILING DATE: 21-MAY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E.R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 04958.0008-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 124:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-471-282A-124

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 WGA 8
|||
Db 1 WGA 3

RESULT 63

US-08-733-505A-28

; Sequence 28, Application US/08733505A
; Patent No. 5856445
; GENERAL INFORMATION:
; APPLICANT: KORSMAYER, STANLEY J.
; TITLE OF INVENTION: SERINE SUBSTITUTED MUTANTS OF
; TITLE OF INVENTION: BCL-XL/BCL-2 ASSOCIATED CELL DEATH REGULATOR
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWELL & HAVERKAMP, L.C.
; STREET: 7733 FORSYTH BLVD., SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/733,505A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 965458
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

US-08-733-505A-28

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 NWG 7
|||
Db 5 NWG 7

RESULT 64

US-08-733-505A-31

; Sequence 31, Application US/08733505A
; Patent No. 5856445
; GENERAL INFORMATION:
; APPLICANT: KORSMAYER, STANLEY J.
; TITLE OF INVENTION: SERINE SUBSTITUTED MUTANTS OF
; TITLE OF INVENTION: BCL-XL/BCL-2 ASSOCIATED CELL DEATH REGULATOR
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWELL & HAVERKAMP, L.C.
; STREET: 7733 FORSYTH BLVD., SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/733,505A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 965458
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-733-505A-31

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 NWG 7
|||
Db 5 NWG 7

RESULT 65
US-08-733-505A-33
; Sequence 33, Application US/08733505A
; Patent No. 5856445
; GENERAL INFORMATION:
; APPLICANT: KORSMAYER, STANLEY J.
; TITLE OF INVENTION: SERINE SUBSTITUTED MUTANTS OF
; TITLE OF INVENTION: BCL-XL/BCL-2 ASSOCIATED CELL DEATH REGULATOR
; NUMBER OF SEQUENCES: 60

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWELL & HAVERKAMP, L.C.
; STREET: 7733 FORSYTH BLVD., SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/733,505A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 965458
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-733-505A-33

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 NWG 7
|||
Db 5 NWG 7

RESULT 66
US-08-733-505A-36
; Sequence 36, Application US/08733505A
; Patent No. 5856445
; GENERAL INFORMATION:
; APPLICANT: KORSMEYER, STANLEY J.
; TITLE OF INVENTION: SERINE SUBSTITUTED MUTANTS OF
; TITLE OF INVENTION: BCL-XL/BCL-2 ASSOCIATED CELL DEATH REGULATOR
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWELL & HAVERKAMP, L.C.
; STREET: 7733 FORSYTH BLVD., SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/733,505A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 965458
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

US-08-733-505A-36

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 8 RAL 10

RESULT 67
US-08-633-148-20
; Sequence 20, Application US/08633148
; Patent No. 5864018
; GENERAL INFORMATION:
; APPLICANT: MORSER, MICHAEL J.
; APPLICANT: NAGASHIMA, MARIKO
; APPLICANT: HOLLANDER, DORIS A.
; TITLE OF INVENTION: ANTIBODIES TO ADVANCED GLYCOSYLATION
; TITLE OF INVENTION: END-PRODUCT RECEPTOR POLYPEPTIDES AND USES THEREFOR
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND & TOWNSENT & CREW LLP
; STREET: TWO EMBARCADERO CENTER, 8TH FLOOR
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: U.S.A.
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/633,148
; FILING DATE: 16-APR-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MURPHY ESQ., MATTHEW B.
; REGISTRATION NUMBER: 39,787
; REFERENCE/DOCKET NUMBER: 014618-005600US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 326-2400
; TELEFAX: (415) 326-2422
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

US-08-633-148-20

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 9 RAL 11

RESULT 68
US-08-244-336-4
; Sequence 4, Application US/08244336
; Patent No. 5866097
; GENERAL INFORMATION:
; APPLICANT: Dean, Richard T
; APPLICANT: McBride, William
; APPLICANT: Buttram, Scott
; TITLE OF INVENTION: Technetium-99m Labeled Peptides for
; TITLE OF INVENTION: Imaging
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Allegretti, Ltd.
; STREET: 10 South Wacker Drive Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/244,336
; FILING DATE: 28-OCT-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:

; NAME: No. 5866097nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 91,875-I
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; TELEX: 910-221-5317
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-244-336-4

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 4 RAL 6

RESULT 69

US-08-251-472-1

; Sequence 1, Application US/08251472
; Patent No. 5871746
; GENERAL INFORMATION:
; APPLICANT: BOUTILLON, CHRISTOPHE; MARTINON,
; APPLICANT: FREDERIC; GRAS-MASSE, HELENE;
; APPLICANT: GOMARD, ELISABETH; SERGHERAERT,
; APPLICANT: CHRISTIAN; MAGNE, REMY; TARTAR,
; APPLICANT: ANDRE; LEVY, JEAN-PAUL
; TITLE OF INVENTION: CYTOTOXIC T LYMPHOCYTE
; TITLE OF INVENTION: -INDUCING LIPOPEPTIDES AND USE AS VACCINES
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/251,472
; FILING DATE: 31-MAY-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: MUSERLIAN, CHARLES A
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 102.1511

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: Influenza
; FEATURE:
; LOCATION: NP 147-158

US-08-251-472-1

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
 |||
Db 6 RAL 8

RESULT 70

US-08-185-949B-71

; Sequence 71, Application US/08185949B
; Patent No. 5874279
; GENERAL INFORMATION:
; APPLICANT: Mark D. Cochran
; APPLICANT: Richard D. Macdonald
; TITLE OF INVENTION: Recombinant Infectious Bovine
; TITLE OF INVENTION: Rhinotracheitis Virus
; NUMBER OF SEQUENCES: 104
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John P. White
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM 330 466 DX2
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/185,949B
; FILING DATE: 03-NOV-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: ,678
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400

; TELEFAX: (212) 278-0525
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-185-949B-71

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AKP 10
|||
Db 4 AKP 6

RESULT 71
US-08-466-710C-124
; Sequence 124, Application US/08466710C
; Patent No. 5874541
; GENERAL INFORMATION:
; APPLICANT: Casterman, Cecile
; APPLICANT: Hamers, Raymond
; TITLE OF INVENTION: Immunoglobulins Devoid of Light Chains
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,710C
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/106,944
; FILING DATE: 17-AUG-1993
; APPLICATION NUMBER: FR 92402326.0
; FILING DATE: 21-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 93401310.3
; FILING DATE: 21-MAY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E.R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 04958.0008-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000

; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 124:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-466-710C-124

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 WGA 8
|||
Db 1 WGA 3

RESULT 72
US-08-968-676-12
; Sequence 12, Application US/08968676
; Patent No. 5919639
; GENERAL INFORMATION:
; APPLICANT: Humphreys, Robert E
; APPLICANT: Adams, Sharlene
; APPLICANT: Xu, Minzhen
; TITLE OF INVENTION: IMMUNOTHERAPY BY MODULATION OF ANTIGEN
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kevin M. Farrell, P.C.
; STREET: P.O. Box 999
; CITY: York Harbor
; STATE: ME
; COUNTRY: USA
; ZIP: 03911
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/968,676
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Farrell, Kevin M
; REGISTRATION NUMBER: 35,505
; REFERENCE/DOCKET NUMBER: REH-9601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (207) 363-0558
; TELEFAX: (207) 363-0528
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; MOLECULE TYPE: peptide

US-08-968-676-12

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AKP 10
|||
Db 4 AKP 6

RESULT 73

US-08-706-741B-63

; Sequence 63, Application US/08706741B

; Patent No. 5955593

; GENERAL INFORMATION:

; APPLICANT: KORSMEYER, STANLEY J.

; TITLE OF INVENTION: BH3 INTERACTING DOMAIN DEATH AGONIST

; NUMBER OF SEQUENCES: 88

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: HOWELL & HAVERKAMP, L.C.

; STREET: 7733 FORSYTH BLVD., SUITE 1400

; CITY: ST. LOUIS

; STATE: MISSOURI

; COUNTRY: USA

; ZIP: 63146

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/706,741B

; FILING DATE: 09-SEP-1996

; CLASSIFICATION: 514

; ATTORNEY/AGENT INFORMATION:

; NAME: HOLLAND, DONALD R.

; REGISTRATION NUMBER: 35,197

; REFERENCE/DOCKET NUMBER: 965017

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (314) 727-5188

; TELEFAX: (314) 727-6092

; INFORMATION FOR SEQ ID NO: 63:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 11 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

US-08-706-741B-63

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 NWG 7

Db 5 NWG 7

RESULT 74

US-08-706-741B-66

; Sequence 66, Application US/08706741B

; Patent No. 5955593

; GENERAL INFORMATION:

; APPLICANT: KORSMEYER, STANLEY J.

; TITLE OF INVENTION: BH3 INTERACTING DOMAIN DEATH AGONIST

; NUMBER OF SEQUENCES: 88

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: HOWELL & HAVERKAMP, L.C.

; STREET: 7733 FORSYTH BLVD., SUITE 1400

; CITY: ST. LOUIS

; STATE: MISSOURI

; COUNTRY: USA

; ZIP: 63146

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/706,741B

; FILING DATE: 09-SEP-1996

; CLASSIFICATION: 514

; ATTORNEY/AGENT INFORMATION:

; NAME: HOLLAND, DONALD R.

; REGISTRATION NUMBER: 35,197

; REFERENCE/DOCKET NUMBER: 965017

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (314) 727-5188

; TELEFAX: (314) 727-6092

; INFORMATION FOR SEQ ID NO: 66:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 11 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

US-08-706-741B-66

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 NWG 7

|||

Db 5 NWG 7

RESULT 75

US-08-706-741B-68

; Sequence 68, Application US/08706741B

; Patent No. 5955593

; GENERAL INFORMATION:
; APPLICANT: KORSMEYER, STANLEY J.
; TITLE OF INVENTION: BH3 INTERACTING DOMAIN DEATH AGONIST
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWELL & HAVERKAMP, L.C.
; STREET: 7733 FORSYTH BLVD., SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63146
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/706,741B
; FILING DATE: 09-SEP-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 965017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-706-741B-68

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 NWG 7
|||
Db 5 NWG 7

Search completed: April 8, 2004, 15:52:06
Job time : 11.3077 secs

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OM protein - protein search, using sw model

Run on: April 8, 2004, 15:47:33 ; Search time 30.3077 Seconds
(without alignments)
95.432 Million cell updates/sec

Title: US-09-787-443A-3

Perfect score: 11

Sequence: 1 ARALNWGAKPK 11

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 1073127 seqs, 262937947 residues

Word size : 0

Total number of hits satisfying chosen parameters: 9223

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Maximum DB seq length: 11

Post-processing: Listing first 100 summaries

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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Result	Query				
No.	Score	Match	Length	DB	ID
					Description

1	4	36.4	11	15	US-10-149-138-528	Sequence 528, App
2	4	36.4	11	15	US-10-149-138-889	Sequence 889, App
3	4	36.4	11	15	US-10-149-138-1261	Sequence 1261, Ap
4	4	36.4	11	15	US-10-149-138-1900	Sequence 1900, Ap
5	4	36.4	11	15	US-10-149-138-2623	Sequence 2623, Ap
6	4	36.4	11	15	US-10-149-138-2646	Sequence 2646, Ap
7	4	36.4	11	15	US-10-149-138-3305	Sequence 3305, Ap
8	3	27.3	11	8	US-08-452-843A-15	Sequence 15, Appl
9	3	27.3	11	9	US-09-861-294-36	Sequence 36, Appl
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13	3	27.3	11	9	US-09-359-325A-10	Sequence 10, Appl
14	3	27.3	11	9	US-09-359-325A-11	Sequence 11, Appl
15	3	27.3	11	9	US-09-848-537A-12	Sequence 12, Appl
16	3	27.3	11	9	US-09-833-079-2	Sequence 2, Appli
17	3	27.3	11	9	US-09-833-079-17	Sequence 17, Appl
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23	3	27.3	11	9	US-09-758-426-40	Sequence 40, Appl
24	3	27.3	11	9	US-09-017-743C-123	Sequence 123, App
25	3	27.3	11	9	US-09-017-743C-125	Sequence 125, App
26	3	27.3	11	9	US-09-017-743C-127	Sequence 127, App
27	3	27.3	11	9	US-09-758-198-40	Sequence 40, Appl
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29	3	27.3	11	9	US-09-879-572A-25	Sequence 25, Appl
30	3	27.3	11	10	US-09-983-802-596	Sequence 596, App
31	3	27.3	11	10	US-09-956-940-53	Sequence 53, Appl
32	3	27.3	11	10	US-09-791-393-187	Sequence 187, App
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34	3	27.3	11	10	US-09-906-393A-7	Sequence 7, Appli
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36	3	27.3	11	10	US-09-882-291-46	Sequence 46, Appl
37	3	27.3	11	10	US-09-882-291-47	Sequence 47, Appl
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43	3	27.3	11	10	US-09-775-052-39	Sequence 39, Appl
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45	3	27.3	11	10	US-09-775-052-41	Sequence 41, Appl
46	3	27.3	11	10	US-09-775-052-55	Sequence 55, Appl
47	3	27.3	11	10	US-09-775-052-56	Sequence 56, Appl
48	3	27.3	11	10	US-09-775-052-57	Sequence 57, Appl
49	3	27.3	11	10	US-09-847-946A-128	Sequence 128, App
50	3	27.3	11	10	US-09-847-946A-129	Sequence 129, App
51	3	27.3	11	10	US-09-876-904A-531	Sequence 531, App
52	3	27.3	11	10	US-09-876-904A-578	Sequence 578, App
53	3	27.3	11	10	US-09-876-904A-597	Sequence 597, App
54	3	27.3	11	10	US-09-876-904A-622	Sequence 622, App
55	3	27.3	11	10	US-09-563-222-177	Sequence 177, App
56	3	27.3	11	10	US-09-992-665-12	Sequence 12, Appl

57	3	27.3	11	10	US-09-852-910-248	Sequence 248, App
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59	3	27.3	11	11	US-09-261-894-12	Sequence 12, Appl
60	3	27.3	11	11	US-09-791-551-105	Sequence 105, App
61	3	27.3	11	12	US-09-973-278-426	Sequence 426, App
62	3	27.3	11	12	US-10-398-104-183	Sequence 183, App
63	3	27.3	11	12	US-10-149-135-124	Sequence 124, App
64	3	27.3	11	12	US-10-149-135-235	Sequence 235, App
65	3	27.3	11	12	US-10-149-135-322	Sequence 322, App
66	3	27.3	11	12	US-10-149-135-426	Sequence 426, App
67	3	27.3	11	12	US-10-149-135-535	Sequence 535, App
68	3	27.3	11	12	US-10-149-135-663	Sequence 663, App
69	3	27.3	11	12	US-10-149-135-791	Sequence 791, App
70	3	27.3	11	12	US-10-149-135-832	Sequence 832, App
71	3	27.3	11	12	US-10-149-135-949	Sequence 949, App
72	3	27.3	11	12	US-10-149-135-966	Sequence 966, App
73	3	27.3	11	12	US-10-149-135-1053	Sequence 1053, Ap
74	3	27.3	11	12	US-10-149-135-1106	Sequence 1106, Ap
75	3	27.3	11	12	US-10-149-135-1215	Sequence 1215, Ap
76	3	27.3	11	12	US-10-149-135-1488	Sequence 1488, Ap
77	3	27.3	11	12	US-10-149-135-1660	Sequence 1660, Ap
78	3	27.3	11	12	US-10-149-135-1764	Sequence 1764, Ap
79	3	27.3	11	12	US-10-149-135-1856	Sequence 1856, Ap
80	3	27.3	11	12	US-10-149-135-1860	Sequence 1860, Ap
81	3	27.3	11	12	US-10-149-135-1888	Sequence 1888, Ap
82	3	27.3	11	12	US-10-149-135-2459	Sequence 2459, Ap
83	3	27.3	11	12	US-10-149-135-2460	Sequence 2460, Ap
84	3	27.3	11	12	US-10-149-135-2476	Sequence 2476, Ap
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86	3	27.3	11	12	US-10-253-286-6	Sequence 6, Appli
87	3	27.3	11	12	US-09-848-948-1	Sequence 1, Appli
88	3	27.3	11	13	US-10-041-030-36	Sequence 36, Appl
89	3	27.3	11	14	US-10-077-555-5	Sequence 5, Appli
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91	3	27.3	11	14	US-10-059-261-35	Sequence 35, Appl
92	3	27.3	11	14	US-10-059-261-143	Sequence 143, App
93	3	27.3	11	14	US-10-057-789-233	Sequence 233, App
94	3	27.3	11	14	US-10-196-730-12	Sequence 12, Appl
95	3	27.3	11	14	US-10-229-915-22	Sequence 22, Appl
96	3	27.3	11	14	US-10-229-915-23	Sequence 23, Appl
97	3	27.3	11	14	US-10-229-915-24	Sequence 24, Appl
98	3	27.3	11	14	US-10-196-793A-47	Sequence 47, Appl
99	3	27.3	11	14	US-10-212-628-233	Sequence 233, App
100	3	27.3	11	14	US-10-197-000-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1

US-10-149-138-528

; Sequence 528, Application US/10149138
; Publication No. US20040018971A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John

; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: HER2/neu Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0140001
; CURRENT APPLICATION NUMBER: US/10/149,138
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: PCT/US00/33591
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,299
; PRIOR FILING DATE: 1999-12-11
; NUMBER OF SEQ ID NOS: 4641
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 528
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificially Synthesized Peptide

US-10-149-138-528

Query Match 36.4%; Score 4; DB 15; Length 11;
Best Local Similarity 100.0%; Pred. No. 7.7e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAKP 10
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Db 4 GAKP 7

RESULT 2
US-10-149-138-889
; Sequence 889, Application US/10149138
; Publication No. US20040018971A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: HER2/neu Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0140001
; CURRENT APPLICATION NUMBER: US/10/149,138
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: PCT/US00/33591
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,299
; PRIOR FILING DATE: 1999-12-11
; NUMBER OF SEQ ID NOS: 4641
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 889
; LENGTH: 11

; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificially Synthesized Peptide
US-10-149-138-889

Query Match 36.4%; Score 4; DB 15; Length 11;
Best Local Similarity 100.0%; Pred. No. 7.7e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAKP 10
||||
Db 1 GAKP 4

RESULT 3

US-10-149-138-1261

; Sequence 1261, Application US/10149138
; Publication No. US20040018971A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: HER2/neu Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0140001
; CURRENT APPLICATION NUMBER: US/10/149,138
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: PCT/US00/33591
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,299
; PRIOR FILING DATE: 1999-12-11
; NUMBER OF SEQ ID NOS: 4641
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1261
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificially Synthesized Peptide

US-10-149-138-1261

Query Match 36.4%; Score 4; DB 15; Length 11;
Best Local Similarity 100.0%; Pred. No. 7.7e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAKP 10
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Db 4 GAKP 7

RESULT 4

US-10-149-138-1900

; Sequence 1900, Application US/10149138
; Publication No. US20040018971A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: HER2/neu Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0140001
; CURRENT APPLICATION NUMBER: US/10/149,138
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: PCT/US00/33591
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,299
; PRIOR FILING DATE: 1999-12-11
; NUMBER OF SEQ ID NOS: 4641
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1900
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificially Synthesized Peptide
US-10-149-138-1900

Query Match 36.4%; Score 4; DB 15; Length 11;
Best Local Similarity 100.0%; Pred. No. 7.7e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAKP 10
 |||||
Db 4 GAKP 7

RESULT 5
US-10-149-138-2623
; Sequence 2623, Application US/10149138
; Publication No. US20040018971A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: HER2/neu Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0140001
; CURRENT APPLICATION NUMBER: US/10/149,138
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: PCT/US00/33591
; PRIOR FILING DATE: 2000-12-11

; PRIOR APPLICATION NUMBER: US 09/458,299
; PRIOR FILING DATE: 1999-12-11
; NUMBER OF SEQ ID NOS: 4641
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2623
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificially Synthesized Peptide
US-10-149-138-2623

Query Match 36.4%; Score 4; DB 15; Length 11;
Best Local Similarity 100.0%; Pred. No. 7.7e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAKP 10
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Db 2 GAKP 5

RESULT 6
US-10-149-138-2646
; Sequence 2646, Application US/10149138
; Publication No. US20040018971A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: HER2/neu Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0140001
; CURRENT APPLICATION NUMBER: US/10/149,138
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: PCT/US00/33591
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,299
; PRIOR FILING DATE: 1999-12-11
; NUMBER OF SEQ ID NOS: 4641
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2646
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificially Synthesized Peptide
US-10-149-138-2646

Query Match 36.4%; Score 4; DB 15; Length 11;
Best Local Similarity 100.0%; Pred. No. 7.7e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAKP 10

Db | | | |
 1 GAKP 4

RESULT 7
US-10-149-138-3305
; Sequence 3305, Application US/10149138
; Publication No. US20040018971A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: HER2/neu Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0140001
; CURRENT APPLICATION NUMBER: US/10/149,138
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: PCT/US00/33591
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,299
; PRIOR FILING DATE: 1999-12-11
; NUMBER OF SEQ ID NOS: 4641
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3305
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificially Synthesized Peptide
US-10-149-138-3305

Query Match 36.4%; Score 4; DB 15; Length 11;
Best Local Similarity 100.0%; Pred. No. 7.7e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAKP 10
 | | | |
Db 1 GAKP 4

RESULT 8
US-08-452-843A-15
; Sequence 15, Application US/08452843A
; Publication No. US20020098197A1
; GENERAL INFORMATION:
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; TITLE OF INVENTION: HLA Binding Peptides and Their Uses
; FILE REFERENCE: 399632001321
; CURRENT APPLICATION NUMBER: US/08/452,843A
; CURRENT FILING DATE: 1995-05-03
; PRIOR APPLICATION NUMBER: US 08/344,824
; PRIOR FILING DATE: 1994-11-23

; PRIOR APPLICATION NUMBER: US 08/278,634
; PRIOR FILING DATE: 1994-07-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: p53, 127-137
US-08-452-843A-15

Query Match 27.3%; Score 3; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ALN 5
 |||
Db 3 ALN 5

RESULT 9

US-09-861-294-36

; Sequence 36, Application US/09861294
; Patent No. US20020098190A1
; GENERAL INFORMATION:
; APPLICANT: Malaya CHATTERJEE
; APPLICANT: Kenneth A. FOON
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: TUMORS BEARING HMFG AND CEA ANTIGENS
; FILE REFERENCE: 304142000620
; CURRENT APPLICATION NUMBER: US/09/861,294
; CURRENT FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: 60/049,540
; PRIOR FILING DATE: 1997-06-13
; PRIOR APPLICATION NUMBER: 09/096,244
; PRIOR FILING DATE: 1998-06-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-861-294-36

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 WGA 8
 |||
Db 1 WGA 3

RESULT 10

US-09-850-351A-65

; Sequence 65, Application US/09850351A

; Patent No. US20020100080A1
; GENERAL INFORMATION:
; APPLICANT: Feitelson, Jerald S.
; Schnepf, H. Ernest
; Narva, Kenneth E.
; Stockhoff, Brian A.
; Schmeits, James
; Loewer, David
; Dullum, Charles Joseph
; Muller-Cohn, Judy
; Stamp, Lisa
; Morrill, George
; TITLE OF INVENTION: No. US20020100080A1el Pesticidal Toxins and Nucleotide Sequences Which Encode These Toxins
; NUMBER OF SEQUENCES: 144
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Saliwanchik, Lloyd & Saliwanchik
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: FL
; COUNTRY: US
; ZIP: 32606-6669
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/850,351A
; FILING DATE: 07-May-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/073,898
; FILING DATE: 06-MAY-1998
; APPLICATION NUMBER: US 08/960,780
; FILING DATE: 30-OCT-1997
; APPLICATION NUMBER: US 60/029,848
; FILING DATE: 30-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Sanders, Jay M.
; REGISTRATION NUMBER: 39,355
; REFERENCE/DOCKET NUMBER: MA-708CD1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 352-375-8100
; TELEFAX: 352-372-5800
; INFORMATION FOR SEQ ID NO: 65:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 65:
US-09-850-351A-65

Query Match 27.3%; Score 3; DB 9; Length 11;

Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ALN 5
|||
Db 7 ALN 9

RESULT 11

US-09-900-147-9

; Sequence 9, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

US-09-900-147-9

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ALN 5
|||
Db 7 ALN 9

RESULT 12

US-09-758-128-40

; Sequence 40, Application US/09758128
; Patent No. US20020107187A1
; GENERAL INFORMATION:
; APPLICANT: KINGSTON, David J.
; APPLICANT: GERRATY, No. US20020107187A1man L.
; APPLICANT: WESTBROOK, Simon L.
; TITLE OF INVENTION: MODULATING THE ACTIVITY OF HORMONES OR THEIR RECEPTORS
; TITLE OF INVENTION: - PEPTIDES, ANTIBODIES, VACCINES AND USES THEREOF
; FILE REFERENCE: 016786/0214
; CURRENT APPLICATION NUMBER: US/09/758,128
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/194,218
; PRIOR FILING DATE: 1999-02-05

; PRIOR APPLICATION NUMBER: AU PN9990
; PRIOR FILING DATE: 1996-05-22
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-758-128-40

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 5 ARA 7

RESULT 13

US-09-359-325A-10

; Sequence 10, Application US/09359325A
; Patent No. US20020107226A1
; GENERAL INFORMATION:
; APPLICANT: Berlin, Vivian
; Levin, David
; Ohya, Yoshikazu
; TITLE OF INVENTION: ASSAYS AND REAGENTS FOR IDENTIFYING
; ANTI-FUNGAL AGENTS, AND USES RELATED THERETO
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPad
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/359,325A
; FILING DATE: 22-Jul-1999
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/631,319
; FILING DATE: 11-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MIV-074.08
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-359-325A-10

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 4 RAL 6

RESULT 14

US-09-359-325A-11

; Sequence 11, Application US/09359325A
; Patent No. US20020107226A1
; GENERAL INFORMATION:
; APPLICANT: Berlin, Vivian
; Levin, David
; Ohya, Yoshikazu
; TITLE OF INVENTION: ASSAYS AND REAGENTS FOR IDENTIFYING
; ANTI-FUNGAL AGENTS, AND USES RELATED THERETO
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPad
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/359,325A
; FILING DATE: 22-Jul-1999
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/631,319
; FILING DATE: 11-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MIV-074.08
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid

; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-359-325A-11

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 4 RAL 6

RESULT 15

US-09-848-537A-12

; Sequence 12, Application US/09848537A
; Patent No. US20020137684A1
; GENERAL INFORMATION:
; APPLICANT: Tchistiakova, Liudmila
; APPLICANT: Li, Shengmin
; APPLICANT: Pietrzynski, Grzegorz
; APPLICANT: Alakhov, Valery
; TITLE OF INVENTION: Ligand For Enhancing Oral And CNS Delivery of
; TITLE OF INVENTION: Biological Agents
; FILE REFERENCE: 082181-36910
; CURRENT APPLICATION NUMBER: US/09/848,537A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: mutated
; OTHER INFORMATION: sequence ID 4
US-09-848-537A-12

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 1 RAL 3

RESULT 16

US-09-833-079-2

; Sequence 2, Application US/09833079
; Patent No. US20020142008A1
; GENERAL INFORMATION:
; APPLICANT: O'HANLEY, PETER
; APPLICANT: DENICH, KENNETH
; APPLICANT: SCHMIDT, M. ALEXANDER

; TITLE OF INVENTION: IMMUNOGENIC PILI PRESENTING FOREIGN PEPTIDES, THEIR
; TITLE OF INVENTION: PRODUCTION AND USE
; FILE REFERENCE: 050939/0104
; CURRENT APPLICATION NUMBER: US/09/833,079
; CURRENT FILING DATE: 2001-04-12
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-09-833-079-2

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAK 9
|||
Db 7 GAK 9

RESULT 17
US-09-833-079-17
; Sequence 17, Application US/09833079
; Patent No. US20020142008A1
; GENERAL INFORMATION:
; APPLICANT: O'HANLEY, PETER
; APPLICANT: DENICH, KENNETH
; APPLICANT: SCHMIDT, M. ALEXANDER
; TITLE OF INVENTION: IMMUNOGENIC PILI PRESENTING FOREIGN PEPTIDES, THEIR
; TITLE OF INVENTION: PRODUCTION AND USE
; FILE REFERENCE: 050939/0104
; CURRENT APPLICATION NUMBER: US/09/833,079
; CURRENT FILING DATE: 2001-04-12
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-09-833-079-17

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAK 9
|||
Db 7 GAK 9

RESULT 18
US-09-949-196-17
; Sequence 17, Application US/09949196
; Patent No. US20020147145A1
; GENERAL INFORMATION:
; APPLICANT: Zealand Pharmaceuticals A/S
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO THE DEGRADATION OF Cdc25A IN RESPONSE
; TITLE OF INVENTION: TO DNA DAMAGE
; FILE REFERENCE: 55888 (45487)
; CURRENT APPLICATION NUMBER: US/09/949,196
; CURRENT FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide sequence

US-09-949-196-17

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 19
US-09-949-196-18
; Sequence 18, Application US/09949196
; Patent No. US20020147145A1
; GENERAL INFORMATION:
; APPLICANT: Zealand Pharmaceuticals A/S
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO THE DEGRADATION OF Cdc25A IN RESPONSE
; TITLE OF INVENTION: TO DNA DAMAGE
; FILE REFERENCE: 55888 (45487)
; CURRENT APPLICATION NUMBER: US/09/949,196
; CURRENT FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide sequence

US-09-949-196-18

Query Match 27.3%; Score 3; DB 9; Length 11;

Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 20

US-09-949-196-19

; Sequence 19, Application US/09949196
; Patent No. US20020147145A1
; GENERAL INFORMATION:
; APPLICANT: Zealand Pharmaceuticals A/S
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO THE DEGRADATION OF
Cdc25A IN RESPONSE
; TITLE OF INVENTION: TO DNA DAMAGE
; FILE REFERENCE: 55888 (45487)
; CURRENT APPLICATION NUMBER: US/09/949,196
; CURRENT FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
sequence

US-09-949-196-19

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 21

US-09-945-249-22

; Sequence 22, Application US/09945249
; Patent No. US20020168748A1
; GENERAL INFORMATION:
; APPLICANT: BERLIN, VIVIAN
; APPLICANT: DAMAGNEZ, VERONIQUE
; APPLICANT: SMITH, SUSAN E.
; TITLE OF INVENTION: ASSAYS AND REAGENTS FOR IDENTIFYING ANTI-FUNGAL AGENTS,
; TITLE OF INVENTION: AND USES RELATED THERETO
; FILE REFERENCE: MIV-074.06
; CURRENT APPLICATION NUMBER: US/09/945,249
; CURRENT FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: 09/041,990
; PRIOR FILING DATE: 2001-01-13
; PRIOR APPLICATION NUMBER: 08/771,212
; PRIOR FILING DATE: 1996-12-20

; PRIOR APPLICATION NUMBER: 08/631,319
; PRIOR FILING DATE: 1996-04-11
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Rattus sp.
US-09-945-249-22

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
 |||
Db 4 RAL 6

RESULT 22

US-09-945-249-27

; Sequence 27, Application US/09945249
; Patent No. US20020168748A1
; GENERAL INFORMATION:
; APPLICANT: BERLIN, VIVIAN
; APPLICANT: DAMAGNEZ, VERONIQUE
; APPLICANT: SMITH, SUSAN E.
; TITLE OF INVENTION: ASSAYS AND REAGENTS FOR IDENTIFYING ANTI-FUNGAL AGENTS,
; TITLE OF INVENTION: AND USES RELATED THERETO
; FILE REFERENCE: MIV-074.06
; CURRENT APPLICATION NUMBER: US/09/945,249
; CURRENT FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: 09/041,990
; PRIOR FILING DATE: 2001-01-13
; PRIOR APPLICATION NUMBER: 08/771,212
; PRIOR FILING DATE: 1996-12-20
; PRIOR APPLICATION NUMBER: 08/631,319
; PRIOR FILING DATE: 1996-04-11
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-945-249-27

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
 |||
Db 4 RAL 6

RESULT 23

US-09-758-426-40

; Sequence 40, Application US/09758426
; Patent No. US20020169116A1
; GENERAL INFORMATION:
; APPLICANT: KINGSTON, David J.
; APPLICANT: GERRATY, No. US20020169116Alman L.
; APPLICANT: WESTBROOK, Simon L.
; TITLE OF INVENTION: MODULATING THE ACTIVITY OF HORMONES OR THEIR RECEPTORS
; TITLE OF INVENTION: - PEPTIDES, ANTIBODIES, VACCINES AND USES THEREOF
; FILE REFERENCE: 016786/0214
; CURRENT APPLICATION NUMBER: US/09/758,426
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/194,218
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: AU PN9990
; PRIOR FILING DATE: 1996-05-22
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-758-426-40

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 5 ARA 7

RESULT 24

US-09-017-743C-123

; Sequence 123, Application US/09017743C
; Patent No. US20020177694A1
; GENERAL INFORMATION:
; APPLICANT: Sette, Alessandro
; Sidney, John
; Southwood, Scott
; TITLE OF INVENTION: HLA Binding Peptides and Their
; Uses
; NUMBER OF SEQUENCES: 146
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/017,743C

;
;
; FILING DATE: 03-Feb-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/590,298
; FILING DATE: 23-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Parent, Annette S.
; REGISTRATION NUMBER: 42,058
; REFERENCE/DOCKET NUMBER: 018623-008050US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 123:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 123:
US-09-017-743C-123

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 3 RAL 5

RESULT 25

US-09-017-743C-125

; Sequence 125, Application US/09017743C

; Patent No. US20020177694A1

; GENERAL INFORMATION:

; APPLICANT: Sette, Alessandro
; Sidney, John
; Southwood, Scott

; TITLE OF INVENTION: HLA Binding Peptides and Their
; Uses

; NUMBER OF SEQUENCES: 146

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/017,743C

;
; FILING DATE: 03-Feb-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/590,298
; FILING DATE: 23-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Parent, Annette S.
; REGISTRATION NUMBER: 42,058
; REFERENCE/DOCKET NUMBER: 018623-008050US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 125:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 125:
US-09-017-743C-125

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 3 RAL 5

RESULT 26
US-09-017-743C-127
; Sequence 127, Application US/09017743C
; Patent No. US20020177694A1
; GENERAL INFORMATION:
; APPLICANT: Sette, Alessandro
; Sidney, John
; Southwood, Scott
; TITLE OF INVENTION: HLA Binding Peptides and Their
; Uses
; NUMBER OF SEQUENCES: 146
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/017,743C

;
; FILING DATE: 03-Feb-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/590,298
; FILING DATE: 23-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Parent, Annette S.
; REGISTRATION NUMBER: 42,058
; REFERENCE/DOCKET NUMBER: 018623-008050US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 127:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 127:
US-09-017-743C-127

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ALN 5
|||
Db 3 ALN 5

RESULT 27

US-09-758-198-40
; Sequence 40, Application US/09758198
; Publication No. US20020187925A1
; GENERAL INFORMATION:
; APPLICANT: KINGSTON, David J.
; APPLICANT: GERRATY, No. US20020187925Alman L.
; APPLICANT: WESTBROOK, Simon L.
; TITLE OF INVENTION: MODULATING THE ACTIVITY OF HORMONES OR THEIR RECEPTORS
; TITLE OF INVENTION: - PEPTIDES, ANTIBODIES, VACCINES AND USES THEREOF
; FILE REFERENCE: 016786/0214
; CURRENT APPLICATION NUMBER: US/09/758,198
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/194,218
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/AU97/00312
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-22
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: AU PN9990
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-05-22
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-758-198-40

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 5 ARA 7

RESULT 28

US-09-879-572A-23

; Sequence 23, Application US/09879572A
; Publication No. US20020197711A1
; GENERAL INFORMATION:
; APPLICANT: RAMSINGH, ARLENE I.
; APPLICANT: HALIM, SADIA S.
; TITLE OF INVENTION: COXSACKIEVIRUS B4 EXPRESSION VECTORS AND USES THEREOF
; FILE REFERENCE: 0189-2001
; CURRENT APPLICATION NUMBER: US/09/879,572A
; CURRENT FILING DATE: 2002-04-19
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide

US-09-879-572A-23

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 3 RAL 5

RESULT 29

US-09-879-572A-25

; Sequence 25, Application US/09879572A
; Publication No. US20020197711A1
; GENERAL INFORMATION:
; APPLICANT: RAMSINGH, ARLENE I.
; APPLICANT: HALIM, SADIA S.
; TITLE OF INVENTION: COXSACKIEVIRUS B4 EXPRESSION VECTORS AND USES THEREOF
; FILE REFERENCE: 0189-2001
; CURRENT APPLICATION NUMBER: US/09/879,572A
; CURRENT FILING DATE: 2002-04-19
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
; LENGTH: 11

; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-09-879-572A-25

Query Match 27.3%; Score 3; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
 |||
Db 3 RAL 5

RESULT 30

US-09-983-802-596

; Sequence 596, Application US/09983802
; Publication No. US20030022185A1
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: PZ010P1
; CURRENT APPLICATION NUMBER: US/09/983,802
; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/227,357
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-01-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/US98/13684
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,926
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,793
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,925
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,929
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,803
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,931
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,932
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,916
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,930
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,918
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,920
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,733
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,795

; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,919
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,928
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,722
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,723
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,948
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,949
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,953
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,950
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,947
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,964
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/056,360
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,684
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,984
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,954
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,785
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,664
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,660
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,661
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
; NUMBER OF SEQ ID NOS: 672
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 596
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-983-802-596

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
Db 2 ARA 4

RESULT 31
US-09-956-940-53
; Sequence 53, Application US/09956940

; Publication No. US20030022826A1
; GENERAL INFORMATION:
; APPLICANT: HAYNES, BARTON F.
; TITLE OF INVENTION: USE OF SYNTHETIC PEPTIDES TO INDUCE
; TOLERANCE TO PATHOGENIC T AND B CELL EPITOPES OF
; AUTOANTIGENS OR INFECTIOUS AGENTS
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/956,940
; FILING DATE: 12-Oct-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/460,673
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/015,987
; FILING DATE: 10-FEB-1993
; APPLICATION NUMBER: US 07/833,429
; FILING DATE: 10-FEB-1992
; APPLICATION NUMBER: US 07/591,109
; FILING DATE: 01-OCT-1990
; APPLICATION NUMBER: US 07/093,854
; FILING DATE: 08-SEP-1987
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 1579-5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; TELEX: 200797 NIXN UR
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 53:
US-09-956-940-53

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

|||
Db 6 RAL 8

RESULT 32
US-09-791-393-187
; Sequence 187, Application US/09791393
; Publication No. US20030032200A1
; GENERAL INFORMATION:
; APPLICANT: Herath, Herath Mudiyanseilage Athula Chandrasiri
; APPLICANT: Parekh, Rajesh Bhikhu
; APPLICANT: Rohlff, Christian
; TITLE OF INVENTION: Proteins, Genes and Their Use for
; TITLE OF INVENTION: Diagnosis and Treatment of Bipolar Affective Disorder
(BAD)
; TITLE OF INVENTION: and Unipolar Depression
; FILE REFERENCE: 2543-1-001 N1
; CURRENT APPLICATION NUMBER: US/09/791,393
; CURRENT FILING DATE: 2002-01-02
; EARLIER APPLICATION NUMBER: GB 0004412.3
; EARLIER FILING DATE: 2000-02-24
; EARLIER APPLICATION NUMBER: GB 0030050.9
; EARLIER FILING DATE: 2000-12-08
; EARLIER APPLICATION NUMBER: US 60/254,830
; EARLIER FILING DATE: 2000-12-12
; NUMBER OF SEQ ID NOS: 308
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 187
; LENGTH: 11
; TYPE: PRT
; ORGANISM: homo sapien
US-09-791-393-187

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ALN 5
|||
Db 4 ALN 6

RESULT 33
US-09-791-389-187
; Sequence 187, Application US/09791389
; Publication No. US20030032773A1
; GENERAL INFORMATION:
; APPLICANT: Herath, Herath Mudiyanseilage Athula Chandrasiri
; APPLICANT: Parekh, Rajesh Bhikhu
; APPLICANT: Rohlff, Christian
; APPLICANT: Terrett, Jonathan Alexander
; APPLICANT: Tyson, Kerry Louise
; TITLE OF INVENTION: Proteins, Genes and Their Use for
; TITLE OF INVENTION: Diagnosis and Treatment of Bipolar Affective Disorder
(BAD)
; TITLE OF INVENTION: and Unipolar Depression
; FILE REFERENCE: 2543-1-001 N2

; CURRENT APPLICATION NUMBER: US/09/791,389
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: GB 0004412.3
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: GB 0030050.9
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: US 60/254,830
; PRIOR FILING DATE: 2000-12-12
; NUMBER OF SEQ ID NOS: 308
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 187
; LENGTH: 11
; TYPE: PRT
; ORGANISM: homo sapien
US-09-791-389-187

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ALN 5
|||
Db 4 ALN 6

RESULT 34
US-09-906-393A-7
; Sequence 7, Application US/09906393A
; Publication No. US20030039970A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Zhou
; APPLICANT: Xiao, Wuhan
; TITLE OF INVENTION: METHOD OF PROGNOSING CANCER AND THE PROTEINS INVOLVED
; FILE REFERENCE: 1720-1-001CIP
; CURRENT APPLICATION NUMBER: US/09/906,393A
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 60/218,761
; PRIOR FILING DATE: 2000-07-17
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 11
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-906-393A-7

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AKP 10
|||
Db 4 AKP 6

RESULT 35
US-09-882-291-45

; Sequence 45, Application US/09882291
; Publication No. US20030040472A1
; GENERAL INFORMATION:
; APPLICANT: Zealand Pharmaceuticals A/S
; TITLE OF INVENTION: No. US20030040472A1el Peptide Conjugates
; FILE REFERENCE: 007-2001
; CURRENT APPLICATION NUMBER: US/09/882,291
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide sequence
US-09-882-291-45

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 36
US-09-882-291-46
; Sequence 46, Application US/09882291
; Publication No. US20030040472A1
; GENERAL INFORMATION:
; APPLICANT: Zealand Pharmaceuticals A/S
; TITLE OF INVENTION: No. US20030040472A1el Peptide Conjugates
; FILE REFERENCE: 007-2001
; CURRENT APPLICATION NUMBER: US/09/882,291
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide sequence
US-09-882-291-46

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 37
US-09-882-291-47
; Sequence 47, Application US/09882291
; Publication No. US20030040472A1
; GENERAL INFORMATION:
; APPLICANT: Zealand Pharmaceuticals A/S
; TITLE OF INVENTION: No. US20030040472A1 Peptide Conjugates
; FILE REFERENCE: 007-2001
; CURRENT APPLICATION NUMBER: US/09/882,291
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide sequence

US-09-882-291-47

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 38
US-09-861-661-40
; Sequence 40, Application US/09861661
; Publication No. US20030045676A1
; GENERAL INFORMATION:
; APPLICANT: KINGSTON, DAVID J.
; APPLICANT: GERRATY, NORMAN L.
; APPLICANT: WESTBROOK, SIMON L.
; TITLE OF INVENTION: PEPTIDES, ANTIBODIES, VACCINES & USES THEREOF
; FILE REFERENCE: 054270/0135
; CURRENT APPLICATION NUMBER: US/09/861,661
; CURRENT FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: 09/194,218
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: AU PN9990
; PRIOR FILING DATE: 1996-05-22
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-861-661-40

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;

Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ARA 3
|||
Db 5 ARA 7

RESULT 39
US-09-860-840-14
; Sequence 14, Application US/09860840
; Publication No. US20030049723A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Yi
; APPLICANT: Chaux, Pascal
; APPLICANT: Boon, Thierry
; APPLICANT: van der Bruggen, Pierre
; TITLE OF INVENTION: MAGE-A3 PEPTIDES PRESENTED BY HLA CLASS II MOLECULES
; FILE REFERENCE: L0461/7110 (JRV)
; CURRENT APPLICATION NUMBER: US/09/860,840
; CURRENT FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-860-840-14

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 2 RAL 4
|||
Db 7 RAL 9

RESULT 40
US-09-775-052-4
; Sequence 4, Application US/09775052
; Publication No. US20030054000A1
; GENERAL INFORMATION:
; APPLICANT: Dowdy, Steven F.
; TITLE OF INVENTION: ANTI-PATHOGEN SYSTEM AND METHODS OF USE THEREOF
; FILE REFERENCE: 48881/1742
; CURRENT APPLICATION NUMBER: US/09/775,052
; CURRENT FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 09/208,966
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: 60/082,402
; PRIOR FILING DATE: 1998-04-20
; PRIOR APPLICATION NUMBER: 60/069,012
; PRIOR FILING DATE: 1997-12-10
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 11

; TYPE: PRT
; ORGANISM: human
US-09-775-052-4

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 41

US-09-775-052-5

; Sequence 5, Application US/09775052
; Publication No. US20030054000A1
; GENERAL INFORMATION:
; APPLICANT: Dowdy, Steven F.
; TITLE OF INVENTION: ANTI-PATHOGEN SYSTEM AND METHODS OF USE THEREOF
; FILE REFERENCE: 48881/1742
; CURRENT APPLICATION NUMBER: US/09/775,052
; CURRENT FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 09/208,966
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: 60/082,402
; PRIOR FILING DATE: 1998-04-20
; PRIOR APPLICATION NUMBER: 60/069,012
; PRIOR FILING DATE: 1997-12-10
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 11
; TYPE: PRT
; ORGANISM: human

US-09-775-052-5

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 42

US-09-775-052-6

; Sequence 6, Application US/09775052
; Publication No. US20030054000A1
; GENERAL INFORMATION:
; APPLICANT: Dowdy, Steven F.
; TITLE OF INVENTION: ANTI-PATHOGEN SYSTEM AND METHODS OF USE THEREOF
; FILE REFERENCE: 48881/1742
; CURRENT APPLICATION NUMBER: US/09/775,052
; CURRENT FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 09/208,966

; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: 60/082,402
; PRIOR FILING DATE: 1998-04-20
; PRIOR APPLICATION NUMBER: 60/069,012
; PRIOR FILING DATE: 1997-12-10
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 11
; TYPE: PRT
; ORGANISM: human
US-09-775-052-6

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 43

US-09-775-052-39

; Sequence 39, Application US/09775052
; Publication No. US20030054000A1
; GENERAL INFORMATION:
; APPLICANT: Dowdy, Steven F.
; TITLE OF INVENTION: ANTI-PATHOGEN SYSTEM AND METHODS OF USE THEREOF
; FILE REFERENCE: 48881/1742
; CURRENT APPLICATION NUMBER: US/09/775,052
; CURRENT FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 09/208,966
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: 60/082,402
; PRIOR FILING DATE: 1998-04-20
; PRIOR APPLICATION NUMBER: 60/069,012
; PRIOR FILING DATE: 1997-12-10
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 39
; LENGTH: 11
; TYPE: PRT
; ORGANISM: human
US-09-775-052-39

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 44

US-09-775-052-40

; Sequence 40, Application US/09775052
; Publication No. US20030054000A1
; GENERAL INFORMATION:
; APPLICANT: Dowdy, Steven F.
; TITLE OF INVENTION: ANTI-PATHOGEN SYSTEM AND METHODS OF USE THEREOF
; FILE REFERENCE: 48881/1742
; CURRENT APPLICATION NUMBER: US/09/775,052
; CURRENT FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 09/208,966
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: 60/082,402
; PRIOR FILING DATE: 1998-04-20
; PRIOR APPLICATION NUMBER: 60/069,012
; PRIOR FILING DATE: 1997-12-10
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40
; LENGTH: 11
; TYPE: PRT
; ORGANISM: human
US-09-775-052-40

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 45
US-09-775-052-41
; Sequence 41, Application US/09775052
; Publication No. US20030054000A1
; GENERAL INFORMATION:
; APPLICANT: Dowdy, Steven F.
; TITLE OF INVENTION: ANTI-PATHOGEN SYSTEM AND METHODS OF USE THEREOF
; FILE REFERENCE: 48881/1742
; CURRENT APPLICATION NUMBER: US/09/775,052
; CURRENT FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 09/208,966
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: 60/082,402
; PRIOR FILING DATE: 1998-04-20
; PRIOR APPLICATION NUMBER: 60/069,012
; PRIOR FILING DATE: 1997-12-10
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 41
; LENGTH: 11
; TYPE: PRT
; ORGANISM: human
US-09-775-052-41

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;

Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 46
US-09-775-052-55
; Sequence 55, Application US/09775052
; Publication No. US20030054000A1
; GENERAL INFORMATION:
; APPLICANT: Dowdy, Steven F.
; TITLE OF INVENTION: ANTI-PATHOGEN SYSTEM AND METHODS OF USE THEREOF
; FILE REFERENCE: 48881/1742
; CURRENT APPLICATION NUMBER: US/09/775,052
; CURRENT FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 09/208,966
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: 60/082,402
; PRIOR FILING DATE: 1998-04-20
; PRIOR APPLICATION NUMBER: 60/069,012
; PRIOR FILING DATE: 1997-12-10
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 55
; LENGTH: 11
; TYPE: PRT
; ORGANISM: human
US-09-775-052-55

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 47
US-09-775-052-56
; Sequence 56, Application US/09775052
; Publication No. US20030054000A1
; GENERAL INFORMATION:
; APPLICANT: Dowdy, Steven F.
; TITLE OF INVENTION: ANTI-PATHOGEN SYSTEM AND METHODS OF USE THEREOF
; FILE REFERENCE: 48881/1742
; CURRENT APPLICATION NUMBER: US/09/775,052
; CURRENT FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 09/208,966
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: 60/082,402
; PRIOR FILING DATE: 1998-04-20
; PRIOR APPLICATION NUMBER: 60/069,012
; PRIOR FILING DATE: 1997-12-10
; NUMBER OF SEQ ID NOS: 57

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 56

; LENGTH: 11

; TYPE: PRT

; ORGANISM: human

US-09-775-052-56

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||

Db 2 ARA 4

RESULT 48

US-09-775-052-57

; Sequence 57, Application US/09775052

; Publication No. US20030054000A1

; GENERAL INFORMATION:

; APPLICANT: Dowdy, Steven F.

; TITLE OF INVENTION: ANTI-PATHOGEN SYSTEM AND METHODS OF USE THEREOF

; FILE REFERENCE: 48881/1742

; CURRENT APPLICATION NUMBER: US/09/775,052

; CURRENT FILING DATE: 2001-02-01

; PRIOR APPLICATION NUMBER: 09/208,966

; PRIOR FILING DATE: 1998-12-10

; PRIOR APPLICATION NUMBER: 60/082,402

; PRIOR FILING DATE: 1998-04-20

; PRIOR APPLICATION NUMBER: 60/069,012

; PRIOR FILING DATE: 1997-12-10

; NUMBER OF SEQ ID NOS: 57

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 57

; LENGTH: 11

; TYPE: PRT

; ORGANISM: human

US-09-775-052-57

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||

Db 2 ARA 4

RESULT 49

US-09-847-946A-128

; Sequence 128, Application US/09847946A

; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findeis, Mark A

; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 128
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:membrane
; OTHER INFORMATION: translocation domain
US-09-847-946A-128

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
 |||
Db 2 ARA 4

RESULT 50
US-09-847-946A-129
; Sequence 129, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 129
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:membrane
; OTHER INFORMATION: translocation domain

US-09-847-946A-129

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 51

US-09-876-904A-531
; Sequence 531, Application US/09876904A
; Publication No. US20030072794A1
; GENERAL INFORMATION:
; APPLICANT: BOULIKAS, TENI
; TITLE OF INVENTION: ENCAPSULATION OF PLASMID DNA (LIPOGENES TM) AND
THERAPEUTIC
; TITLE OF INVENTION: AGENTS WITH NUCLEAR LOCALIZATION SIGNAL/FUSOGENIC
PEPTIDE
; TITLE OF INVENTION: CONJUGATES INTO TARGETED LIPOSOME COMPLEXES
; FILE REFERENCE: TB-2002.00
; CURRENT APPLICATION NUMBER: US/09/876,904A
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/210,925
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 629
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 531
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
; FEATURE:
; OTHER INFORMATION: Yeast L16 ribosomal protein.
US-09-876-904A-531

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 1 ARA 3

RESULT 52

US-09-876-904A-578
; Sequence 578, Application US/09876904A
; Publication No. US20030072794A1
; GENERAL INFORMATION:
; APPLICANT: BOULIKAS, TENI
; TITLE OF INVENTION: ENCAPSULATION OF PLASMID DNA (LIPOGENES TM) AND
THERAPEUTIC
; TITLE OF INVENTION: AGENTS WITH NUCLEAR LOCALIZATION SIGNAL/FUSOGENIC
PEPTIDE
; TITLE OF INVENTION: CONJUGATES INTO TARGETED LIPOSOME COMPLEXES

; FILE REFERENCE: TB-2002.00
; CURRENT APPLICATION NUMBER: US/09/876,904A
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/210,925
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 629
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 578
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Bos sp.
; FEATURE:
; OTHER INFORMATION: Calf thymus histone H4 (102 aa).
US-09-876-904A-578

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAK 9
 |||
Db 1 GAK 3

RESULT 53
US-09-876-904A-597
; Sequence 597, Application US/09876904A
; Publication No. US20030072794A1
; GENERAL INFORMATION:
; APPLICANT: BOULIKAS, TENI
; TITLE OF INVENTION: ENCAPSULATION OF PLASMID DNA (LIPOGENES TM) AND
THERAPEUTIC
; TITLE OF INVENTION: AGENTS WITH NUCLEAR LOCALIZATION SIGNAL/FUSOGENIC
PEPTIDE
; TITLE OF INVENTION: CONJUGATES INTO TARGETED LIPOSOME COMPLEXES
; FILE REFERENCE: TB-2002.00
; CURRENT APPLICATION NUMBER: US/09/876,904A
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/210,925
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 629
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 597
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Parechinus angulosus
; FEATURE:
; OTHER INFORMATION: Sea urchin Parechinus angulosus sperm H1 (248 aa).
US-09-876-904A-597

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KPK 11
 |||
Db 6 KPK 8

RESULT 54

US-09-876-904A-622
; Sequence 622, Application US/09876904A
; Publication No. US20030072794A1
; GENERAL INFORMATION:
; APPLICANT: BOULIKAS, TENI
; TITLE OF INVENTION: ENCAPSULATION OF PLASMID DNA (LIPOGENES TM) AND THERAPEUTIC
; TITLE OF INVENTION: AGENTS WITH NUCLEAR LOCALIZATION SIGNAL/FUSOGENIC PEPTIDE
; TITLE OF INVENTION: CONJUGATES INTO TARGETED LIPOSOME COMPLEXES
; FILE REFERENCE: TB-2002.00
; CURRENT APPLICATION NUMBER: US/09/876,904A
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/210,925
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 629
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 622
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Trout testis H6 (60 aa).
US-09-876-904A-622

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KPK 11
 |||
Db 1 KPK 3

RESULT 55

US-09-563-222-177
; Sequence 177, Application US/09563222
; Publication No. US20030079253A1
; GENERAL INFORMATION:
; APPLICANT: Hiatt, Andrew
; APPLICANT: Hein, Mich B.
; TITLE OF INVENTION: IMMUNOGLOBULIN BINDING PROTEIN ARRAYS IN
; TITLE OF INVENTION: EUKARYOTIC CELLS
; FILE REFERENCE: 310098.406
; CURRENT APPLICATION NUMBER: US/09/563,222
; CURRENT FILING DATE: 2000-05-02
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 177
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-563-222-177

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 WGA 8
|||
Db 1 WGA 3

RESULT 56
US-09-992-665-12
; Sequence 12, Application US/09992665
; Publication No. US20030092009A1
; GENERAL INFORMATION:
; APPLICANT: Kaia Palm
; TITLE OF INVENTION: PROFILING TUMOR SPECIFIC MARKERS FOR THE
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: CEMINES.002A
; CURRENT APPLICATION NUMBER: US/09/992,665
; CURRENT FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: 60/249,508
; PRIOR FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Probe
US-09-992-665-12

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KPK 11
|||
Db 4 KPK 6

RESULT 57
US-09-852-910-248
; Sequence 248, Application US/09852910
; Publication No. US20030096297A1
; GENERAL INFORMATION:
; APPLICANT: Hamm, Heidi
; APPLICANT: Gilchrist, Annette
; TITLE OF INVENTION: Method For Identifying Inhibitors of G Protein Coupled Receptor Signaling
; FILE REFERENCE: 2661-101
; CURRENT APPLICATION NUMBER: US/09/852,910
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US 60/275,472
; PRIOR FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 271
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 248
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(11)
; OTHER INFORMATION: G11 library peptide
US-09-852-910-248

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KPK 11
|||
Db 4 KPK 6

RESULT 58

US-09-848-781-3

; Sequence 3, Application US/09848781
; Publication No. US20030096315A1
; GENERAL INFORMATION:
; APPLICANT: SANDERS, MITCHELL
; TITLE OF INVENTION: A DEVICE FOR DETECTING BACTERIAL CONTAMINATION AND METHOD
OF USE
; FILE REFERENCE: 102951-10
; CURRENT APPLICATION NUMBER: US/09/848,781
; CURRENT FILING DATE: 2001-05-03
; PRIOR APPLICATION NUMBER: 60/201,405
; PRIOR FILING DATE: 2000-05-03
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Listeria monocytogenes
US-09-848-781-3

Query Match 27.3%; Score 3; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GAK 9
|||
Db 8 GAK 10

RESULT 59

US-09-261-894-12

; Sequence 12, Application US/09261894
; Publication No. US20030207324A1
; GENERAL INFORMATION:
; APPLICANT: Humphreys, Robert E
; APPLICANT: Adams, Sharlene
; APPLICANT: Xu, Minzhen

; TITLE OF INVENTION: IMMUNOTHERAPY BY MODULATION OF ANTIGEN
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kevin M. Farrell, P.C.
; STREET: P.O. Box 999
; CITY: York Harbor
; STATE: ME
; COUNTRY: USA
; ZIP: 03911
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/261,894
; FILING DATE: March 3, 1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Farrell, Kevin M
; REGISTRATION NUMBER: 35,505
; REFERENCE/DOCKET NUMBER: REH-9601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (207) 363-0558
; TELEFAX: (207) 363-0528
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

US-09-261-894-12

Query Match 27.3%; Score 3; DB 11; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AKP 10
|||
Db 4 AKP 6

RESULT 60
US-09-791-551-105
; Sequence 105, Application US/09791551
; Publication No. US20030235584A1
; GENERAL INFORMATION:
; APPLICANT: KLOETZER, WILLIAM S.
; APPLICANT: HANNA, NABIL
; TITLE OF INVENTION: METHOD FOR PREPARING ANTI-MIF ANTIBODIES
; FILE REFERENCE: 037003/0277869
; CURRENT APPLICATION NUMBER: US/09/791,551
; CURRENT FILING DATE: 2001-02-26
; PRIOR APPLICATION NUMBER: 60/185,390
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: 60/233,625

; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 119
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 105
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-791-551-105

Query Match 27.3%; Score 3; DB 11; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 WGA 8
|||
Db 1 WGA 3

RESULT 61
US-09-973-278-426
; Sequence 426, Application US/09973278
; Publication No. US20040044191A1
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: PZ010P2
; CURRENT APPLICATION NUMBER: US/09/973,278
; CURRENT FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: 60/239,899
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 09/227,357
; PRIOR FILING DATE: 1999-01-08
; PRIOR APPLICATION NUMBER: PCT/US98/13684
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/051,926
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,793
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,925
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,929
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,803
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,732
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,931
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,932
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,916
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,930
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,918
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,920

; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,733
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,795
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,919
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,928
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/055,722
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,723
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,948
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,949
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,953
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,950
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,947
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,964
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/056,360
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,684
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,984
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,954
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/058,785
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,664
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,660
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,661
; PRIOR FILING DATE: 1997-09-12
; NUMBER OF SEQ ID NOS: 947
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 426
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-973-278-426

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 2 ARA 4

RESULT 62
US-10-398-104-183
; Sequence 183, Application US/10398104
; Publication No. US20040047880A1
; GENERAL INFORMATION:
; APPLICANT: De Bolle, Xavier Thomas
; APPLICANT: Letesson, Jean-Jacques
; APPLICANT: Lobet, Yves
; APPLICANT: Mertens, Pascal Yvon
; APPLICANT: Poolman, Jan
; APPLICANT: Voet, Pierre
; TITLE OF INVENTION: COMPONENT FOR VACCINE
; FILE REFERENCE: B45242
; CURRENT APPLICATION NUMBER: US/10/398,104
; CURRENT FILING DATE: 2003-01-04
; PRIOR APPLICATION NUMBER: PCT/EP01/11409
; PRIOR FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: GB 0024200.8
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 352
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 183
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LOS peptide mimotope sequence

US-10-398-104-183

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 3 RAL 5

RESULT 63
US-10-149-135-124
; Sequence 124, Application US/10149135
; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: PCT/US00/33545

; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; NUMBER OF SEQ ID NOS: 2479
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 124
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial Peptide

US-10-149-135-124

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 6 RAL 8

RESULT 64

US-10-149-135-235

; Sequence 235, Application US/10149135
; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: PCT/US00/33545
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04

; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; NUMBER OF SEQ ID NOS: 2479
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 235
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial Peptide

US-10-149-135-235

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 1 RAL 3

RESULT 65
US-10-149-135-322
; Sequence 322, Application US/10149135
; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: PCT/US00/33545
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; NUMBER OF SEQ ID NOS: 2479

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 322
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial Peptide
US-10-149-135-322

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 6 RAL 8

RESULT 66
US-10-149-135-426
; Sequence 426, Application US/10149135
; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: PCT/US00/33545
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; NUMBER OF SEQ ID NOS: 2479
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 426
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial Peptide

US-10-149-135-426

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 1 RAL 3

RESULT 67

US-10-149-135-535

; Sequence 535, Application US/10149135
; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: PCT/US00/33545
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; NUMBER OF SEQ ID NOS: 2479
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 535
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial Peptide
US-10-149-135-535

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4

Db |||
 9 RAL 11

RESULT 68
US-10-149-135-663
; Sequence 663, Application US/10149135
; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: PCT/US00/33545
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; NUMBER OF SEQ ID NOS: 2479
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 663
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial Peptide
US-10-149-135-663

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
 |||
Db 9 RAL 11

RESULT 69
US-10-149-135-791
; Sequence 791, Application US/10149135

; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: PCT/US00/33545
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; NUMBER OF SEQ ID NOS: 2479
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 791
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial Peptide
US-10-149-135-791

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 3 RAL 5

RESULT 70
US-10-149-135-832
; Sequence 832, Application US/10149135
; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert

; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: PCT/US00/33545
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; NUMBER OF SEQ ID NOS: 2479
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 832
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial Peptide

US-10-149-135-832

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
 |||
Db 3 RAL 5

RESULT 71
US-10-149-135-949
; Sequence 949, Application US/10149135
; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11

; PRIOR APPLICATION NUMBER: PCT/US00/33545
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; NUMBER OF SEQ ID NOS: 2479
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 949
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial Peptide
US-10-149-135-949

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
 |||
Db 9 RAL 11

RESULT 72
US-10-149-135-966
; Sequence 966, Application US/10149135
; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: PCT/US00/33545
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713

; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; NUMBER OF SEQ ID NOS: 2479
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 966
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial Peptide
US-10-149-135-966

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 1 RAL 3

RESULT 73
US-10-149-135-1053
; Sequence 1053, Application US/10149135
; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: PCT/US00/33545
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05

; NUMBER OF SEQ ID NOS: 2479
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1053
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial Peptide
US-10-149-135-1053

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 1 RAL 3

RESULT 74

US-10-149-135-1106

; Sequence 1106, Application US/10149135
; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: PCT/US00/33545
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; NUMBER OF SEQ ID NOS: 2479
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1106
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Artificial Peptide
US-10-149-135-1106

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 3 RAL 5

RESULT 75

US-10-149-135-1215

; Sequence 1215, Application US/10149135
; Publication No. US20040053822A1
; GENERAL INFORMATION:
; APPLICANT: Fikes, John
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Chesnut, Robert
; APPLICANT: Celis, Esteban
; APPLICANT: Keogh, Elissa
; TITLE OF INVENTION: Inducing Cellular Immune Responses to
; TITLE OF INVENTION: MAGE2/3 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0130001
; CURRENT APPLICATION NUMBER: US/10/149,135
; CURRENT FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: PCT/US00/33545
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: US 09/458,298
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; NUMBER OF SEQ ID NOS: 2479
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1215
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial Peptide
US-10-149-135-1215

Query Match 27.3%; Score 3; DB 12; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.4e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
 |||
Db 3 RAL 5

Search completed: April 8, 2004, 16:35:33
Job time : 30.3077 secs

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OM protein - protein search, using sw model

Run on: April 8, 2004, 15:30:07 ; Search time 8.61538 Seconds
(without alignments)
122.816 Million cell updates/sec

Title: US-09-787-443A-3

Perfect score: 11

Sequence: 1 ARALNWGAKPK 11

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 283366 seqs, 96191526 residues

Word size : 0

Total number of hits satisfying chosen parameters: 226

Minimum DB seq length: 11

Maximum DB seq length: 11

Post-processing: Listing first 100 summaries

Database : PIR_78:*

1: pirl:*

2: pir2:*

3: pir3:*

4: pir4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query			Description
		Match	Length	DB ID	
1	3	27.3	11	2 B49164	chromogranin-B - r
2	3	27.3	11	2 S71304	amine oxidase (cop
3	3	27.3	11	2 PH1343	Ig heavy chain DJ
4	3	27.3	11	2 S23364	T-cell receptor al
5	2	18.2	11	1 XASNBA	bradykinin-potenti
6	2	18.2	11	1 SPHO	substance P - hors
7	2	18.2	11	1 A60654	substance P - guin
8	2	18.2	11	1 LFTWWE	probable trpEG lea
9	2	18.2	11	2 S66196	alcohol dehydrogen
10	2	18.2	11	2 A38841	rhodopsin homolog
11	2	18.2	11	2 S23308	substance P - rain
12	2	18.2	11	2 S23306	substance P - Atla
13	2	18.2	11	2 A61033	ranatachykinin A -

14	2	18.2	11	2	D61033	ranatachynin D -
15	2	18.2	11	2	S42449	antl protein - pha
16	2	18.2	11	2	A58502	38K kidney stone p
17	2	18.2	11	2	C58501	42K bile stone pro
18	2	18.2	11	2	JQ0395	hypothetical prote
19	2	18.2	11	2	PQ0231	beta-glucosidase (
20	2	18.2	11	2	S66606	quinoline 2-oxidor
21	2	18.2	11	2	S04875	nifS protein - Bra
22	2	18.2	11	2	I41138	acetyl ornithine d
23	2	18.2	11	2	S42587	celf protein - Esc
24	2	18.2	11	2	B43669	hypothetical prote
25	2	18.2	11	2	PC2372	58K heat shock pro
26	2	18.2	11	2	E41476	probable antigen 5
27	2	18.2	11	2	G61497	seed protein ws-23
28	2	18.2	11	2	PC4267	ribosomal protein
29	2	18.2	11	2	PQ0731	unidentified 5.7/3
30	2	18.2	11	2	A26120	6-phosphofructokin
31	2	18.2	11	2	S33300	probable substance
32	2	18.2	11	2	E57789	gallbladder stone
33	2	18.2	11	2	PT0249	Ig heavy chain CRD
34	2	18.2	11	2	S51732	T-cell receptor al
35	2	18.2	11	2	A33571	follistatin - bovi
36	2	18.2	11	2	S78765	ribosomal protein
37	2	18.2	11	2	A14454	6-phosphofructokin
38	2	18.2	11	2	PN0664	dystrophin-associa
39	2	18.2	11	2	PH1632	Ig H chain V-D-J r
40	2	18.2	11	2	PH1600	Ig H chain V-D-J r
41	2	18.2	11	2	PH1583	Ig H chain V-D-J r
42	2	18.2	11	2	PH1584	Ig H chain V-D-J r
43	2	18.2	11	2	PT0209	T-cell receptor al
44	2	18.2	11	2	PT0214	T-cell receptor be
45	2	18.2	11	2	PT0218	T-cell receptor be
46	2	18.2	11	2	PD0441	translation elonga
47	2	18.2	11	2	S65377	cytochrome-c oxida
48	2	18.2	11	2	S09349	microtubule-associ
49	2	18.2	11	2	PH0939	T-cell receptor be
50	2	18.2	11	2	PH0903	T-cell receptor be
51	2	18.2	11	4	S19015	hypothetical prote
52	2	18.2	11	4	I54081	retinoic acid rece
53	1	9.1	11	1	XAVIBH	bradykinin-potenti
54	1	9.1	11	1	ECLQ2M	tachykinin II - mi
55	1	9.1	11	1	EOOCC	eledoisin - curled
56	1	9.1	11	1	EOOC	eledoisin - musky
57	1	9.1	11	1	GMROL	leucosulfakinin -
58	1	9.1	11	2	G42762	proteasome endopep
59	1	9.1	11	2	S68392	H+-transporting tw
60	1	9.1	11	2	A33917	dihydroorotate (EC
61	1	9.1	11	2	JN0023	substance P - chic
62	1	9.1	11	2	S32575	ribosomal protein
63	1	9.1	11	2	A40693	transgelin - sheep
64	1	9.1	11	2	PQ0682	photosystem I 17.5
65	1	9.1	11	2	S00616	parasporal crystal
66	1	9.1	11	2	C53652	rhlR protein - Pse
67	1	9.1	11	2	S09074	cytochrome P450-4b
68	1	9.1	11	2	A57458	gene Gax protein -
69	1	9.1	11	2	A26930	ermG leader peptid
70	1	9.1	11	2	D60409	kassinin-like pept

71	1	9.1	11	2	F60409	substance P-like p
72	1	9.1	11	2	E60409	substance P-like p
73	1	9.1	11	2	YHRT	morphogenetic neur
74	1	9.1	11	2	YHHU	morphogenetic neur
75	1	9.1	11	2	YHBO	morphogenetic neur
76	1	9.1	11	2	YHXAE	morphogenetic neur
77	1	9.1	11	2	YHJFHY	morphogenetic neur
78	1	9.1	11	2	A61365	phyllokinin - Rohd
79	1	9.1	11	2	B26744	megascoliakinin -
80	1	9.1	11	2	B60409	kassinin-like pept
81	1	9.1	11	2	C60409	kassinin-like pept
82	1	9.1	11	2	S07203	uperolein - frog (
83	1	9.1	11	2	S07207	Crinia-angiotensin
84	1	9.1	11	2	S07201	physalaemin - frog
85	1	9.1	11	2	B58501	24K kidney and bla
86	1	9.1	11	2	D58502	27K bile and gallb
87	1	9.1	11	2	F58501	43.5K bile stone p
88	1	9.1	11	2	S58244	pyrroloquinoline q
89	1	9.1	11	2	S35490	type II site-speci
90	1	9.1	11	2	S21127	precorrin methyltr
91	1	9.1	11	2	S70720	trigger factor hom
92	1	9.1	11	2	S33782	acetolactate synth
93	1	9.1	11	2	B39853	LuxC protein - Pho
94	1	9.1	11	2	A58838	hemolysin - Porphy
95	1	9.1	11	2	E60691	phycobilisome 8K l
96	1	9.1	11	2	D60691	phycobilisome 9K l
97	1	9.1	11	2	PC2330	cycloinulooligosac
98	1	9.1	11	2	B41835	translational elonga
99	1	9.1	11	2	S14087	parasporal crystal
100	1	9.1	11	2	A44755	20alpha-hydroxyste

ALIGNMENTS

RESULT 1

B49164

chromogranin-B - rat (fragment)

C;Species: Rattus norvegicus (Norway rat)

C;Date: 19-Dec-1993 #sequence_revision 18-Nov-1994 #text_change 31-Oct-1997

C;Accession: B49164

R;Nielsen, E.; Welinder, B.S.; Madsen, O.D.

Endocrinology 129, 3147-3156, 1991

A;Title: Chromogranin-B, a putative precursor of eight novel rat glucagonoma peptides through processing at mono-, di-, or tribasic residues.

A;Reference number: A49164; MUID:92063871; PMID:1954895

A;Accession: B49164

A;Status: preliminary

A;Molecule type: protein

A;Residues: 1-11 <NIE>

A;Note: sequence extracted from NCBI backbone (NCBIP:66370)

C;Superfamily: chromogranin B precursor

Query Match 27.3%; Score 3; DB 2; Length 11;
 Best Local Similarity 100.0%; Pred. No. 2.5e+03;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 NWG 7
 |||
Db 7 NWG 9

RESULT 2

S71304

amine oxidase (copper-containing) (EC 1.4.3.6) II - Aspergillus niger (fragment)

C;Species: Aspergillus niger

C;Date: 12-Feb-1998 #sequence_revision 01-May-1998 #text_change 07-May-1999

C;Accession: S71304

R;Frebort, I.; Tamaki, H.; Ishida, H.; Pec, P.; Luhova, L.; Tsuno, H.; Halata, M.; Asano, Y.; Kato, Y.; Matsushita, K.; Toyama, H.; Kumagai, H.; Adachi, O. Eur. J. Biochem. 237, 255-265, 1996

A;Title: Two distinct quinoprotein amine oxidases are induced by n-butylamine in the mycelia of Aspergillus niger AKU 3302: purification, characterization, cDNA cloning and sequencing.

A;Reference number: S71303; MUID:96203933; PMID:8620882

A;Accession: S71304

A;Molecule type: protein

A;Residues: 1-11 <FRE>

C;Keywords: copper binding; monomer; oxidoreductase; quinoprotein; topoquinone

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ALN 5
 |||
Db 5 ALN 7

RESULT 3

PH1343

Ig heavy chain DJ region (clone C100-91) - human (fragment)

C;Species: Homo sapiens (man)

C;Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 07-May-1999

C;Accession: PH1343

R;Wasserman, R.; Galili, N.; Ito, Y.; Reichard, B.A.; Shane, S.; Rovera, G. J. Exp. Med. 176, 1577-1581, 1992

A;Title: Predominance of fetal type DJH joining in young children with B precursor lymphoblastic leukemia as evidence for an in utero transforming event.

A;Reference number: PH1302; MUID:93094761; PMID:1460419

A;Accession: PH1343

A;Molecule type: DNA

A;Residues: 1-11 <WAS>

C;Keywords: heterotetramer; immunoglobulin

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 NWG 7
 |||
Db 6 NWG 8

RESULT 4

S23364

T-cell receptor alpha chain J region - human (fragment)

C;Species: Homo sapiens (man)

C;Date: 22-Nov-1993 #sequence_revision 26-May-1995 #text_change 17-Mar-1999

C;Accession: S23364

R;Pluschke, G.; Ricken, G.; Taube, H.; Kroninger, S.; Melchers, I.; Peter, H.H.; Eichmann, K.; Krawinkel, U.

Eur. J. Immunol. 21, 2749-2754, 1991

A;Title: Biased T cell receptor V(alpha) region repertoire in the synovial fluid of rheumatoid arthritis patients.

A;Reference number: S23364; MUID:92037820; PMID:1657615

A;Accession: S23364

A;Status: preliminary; translation not shown

A;Molecule type: mRNA

A;Residues: 1-11 <PLU>

A;Cross-references: EMBL:X58164

C;Keywords: T-cell receptor

Query Match 27.3%; Score 3; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ALN 5
|||

Db 8 ALN 10

RESULT 5

XASNBA

bradykinin-potentiating peptide B - mamushi

C;Species: Agkistrodon blomhoffi (mamushi)

C;Date: 13-Jul-1981 #sequence_revision 13-Jul-1981 #text_change 08-Dec-1995

C;Accession: A01254

R;Kato, H.; Suzuki, T.

Proc. Jpn. Acad. 46, 176-181, 1970

A;Reference number: A01254

A;Accession: A01254

A;Molecule type: protein

A;Residues: 1-11 <KAT>

A;Note: the sequence of the natural peptide was confirmed by the synthesis and analysis of a peptide having the identical structure and biological properties

C;Superfamily: bradykinin-potentiating peptide

C;Keywords: angiotensin-converting enzyme inhibitor; bradykinin; pyroglutamic acid; venom

F;1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||

Db 7 PK 8

RESULT 6

SPHO
substance P - horse
C;Species: Equus caballus (domestic horse)
C;Date: 23-Oct-1981 #sequence_revision 23-Oct-1981 #text_change 23-Aug-1996
C;Accession: A01558
R;Studer, R.O.; Trzeciak, A.; Lergier, W.
Helv. Chim. Acta 56, 860-866, 1973
A;Title: Isolierung und Aminosaeuresequenz von Substanz P aus Pferdedarm.
A;Reference number: A01558
A;Accession: A01558
A;Molecule type: protein
A;Residues: 1-11 <STU>
C;Superfamily: substance P precursor
C;Keywords: amidated carboxyl end; hormone
F;11/Modified site: amidated carboxyl end (Met) #status experimental

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 2 PK 3

RESULT 7
A60654
substance P - guinea pig
C;Species: Cavia porcellus (guinea pig)
C;Date: 14-May-1993 #sequence_revision 27-Jun-1994 #text_change 08-Dec-1995
C;Accession: A60654
R;Murphy, R.
Neuropeptides 14, 105-110, 1989
A;Title: Primary amino acid sequence of guinea-pig substance P.
A;Reference number: A60654; MUID:90044685; PMID:2478925
A;Accession: A60654
A;Molecule type: protein
A;Residues: 1-11 <MUR>
C;Superfamily: substance P precursor
C;Keywords: amidated carboxyl end; neuropeptide; tachykinin
F;11/Modified site: amidated carboxyl end (Met) #status experimental

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 2 PK 3

RESULT 8
LFTWWE
probable trpEG leader peptide - Thermus aquaticus
C;Species: Thermus aquaticus
C;Date: 30-Jun-1991 #sequence_revision 30-Jun-1991 #text_change 16-Jul-1999
C;Accession: S03315

R;Sato, S.; Nakada, Y.; Kanaya, S.; Tanaka, T.
Biochim. Biophys. Acta 950, 303-312, 1988
A;Title: Molecular cloning and nucleotide sequence of *Thermus thermophilus* HB8
trpE and trpG.
A;Reference number: S03315; MUID:89000781; PMID:2844259
A;Accession: S03315
A;Molecule type: DNA
A;Residues: 1-11 <SAT>
A;Cross-references: EMBL:X07744; NID:g48261; PIDN:CAA30565.1; PID:g48262
A;Note: the source is designated as *Thermus thermophilus* HB8
C;Genetics:
A;Gene: trpL
C;Superfamily: probable trpEG leader peptide

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 2 AL 3

RESULT 9
S66196
alcohol dehydrogenase (EC 1.1.1.1) class III high affinity form - cod (*Gadus*
sp.) (fragment)
C;Species: *Gadus* sp. (cod)
C;Date: 14-Feb-1997 #sequence_revision 13-Mar-1997 #text_change 12-Jun-1998
C;Accession: S66196
R;Hjelmqvist, L.; Hackett, M.; Shafqat, J.; Danielsson, O.; Iida, J.;
Hendrickson, R.C.; Michel, H.; Shabanowitz, J.; Hunt, D.F.; Joernvall, H.
FEBS Lett. 367, 237-240, 1995
A;Title: Multiplicity of N-terminal structures of medium-chain alcohol
dehydrogenases. Mass-spectrometric analysis of plant, lower vertebrate and
higher vertebrate class I, II, and III forms of the enzyme.
A;Reference number: S66191; MUID:95331382; PMID:7607314
A;Accession: S66196
A;Molecule type: protein
A;Residues: 1-11 <HJE>
C;Superfamily: alcohol dehydrogenase; long-chain alcohol dehydrogenase homology
C;Keywords: alcohol metabolism; NAD; oxidoreductase

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RA 3
||
Db 5 RA 6

RESULT 10
A38841
rhodopsin homolog - squid (*Watasenia scintillans*) (fragment)
N;Alternate names: visual pigment protein
C;Species: *Watasenia scintillans* (sparkling enope)

C;Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 31-Oct-1997
C;Accession: A38841
R;Seidou, M.; Kubota, I.; Hiraki, K.; Kito, Y.
Biochim. Biophys. Acta 957, 318-321, 1988
A;Title: Amino acid sequence of the retinal binding site of squid visual pigment.
A;Reference number: PT0063; MUID:89051045; PMID:3191148
A;Accession: A38841
A;Molecule type: protein
A;Residues: 1-11 <SEI>
C;Superfamily: vertebrate rhodopsin
C;Keywords: chromoprotein; retinal
F;3/Binding site: retinal (Lys) (covalent) #status experimental

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 2 AK 3

RESULT 11
S23308
substance P - rainbow trout
C;Species: Oncorhynchus mykiss (rainbow trout)
C;Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change 18-Aug-2000
C;Accession: S23308
R;Jensen, J.; Conlon, J.M.
Eur. J. Biochem. 206, 659-664, 1992
A;Title: Substance-P-related and neuropeptide-Y-related peptides from the brain of the cod and trout.
A;Reference number: S23186; MUID:92298992; PMID:1376687
A;Accession: S23308
A;Molecule type: protein
A;Residues: 1-11 <JEN>
A;Experimental source: brain
C;Function:
A;Description: may play a physiological role in the regulation of cardiovascular and gastrointestinal functions
A;Note: substance P is derived by post-translational processing of preprotachykinin A
C;Superfamily: unassigned animal peptides
C;Keywords: neuropeptide; amidated carboxyl end; tachykinin
F;11/Modified site: amidated carboxyl end (Met) #status predicted

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 1 KP 2

RESULT 12

S23306
substance P - Atlantic cod
C;Species: Gadus morhua (Atlantic cod)
C;Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change 18-Aug-2000
C;Accession: S23306
R;Jensen, J.; Conlon, J.M.
Eur. J. Biochem. 206, 659-664, 1992
A;Title: Substance-P-related and neuropeptide-A-related peptides from the brain of the cod and trout.
A;Reference number: S23186; MUID:92298992; PMID:1376687
A;Accession: S23306
A;Molecule type: protein
A;Residues: 1-11 <JEN>
A;Experimental source: brain
C;Function:
A;Description: may play a physiological role in the regulation of cardiovascular and gastrointestinal functions
A;Note: substance P is derived by post-translational processing of preprotachykinin A
C;Superfamily: unassigned animal peptides
C;Keywords: neuropeptide; amidated carboxyl end; tachykinin
F;11/Modified site: amidated carboxyl end (Met) #status predicted

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 1 KP 2

RESULT 13
A61033
ranatachykinin A - bullfrog
C;Species: Rana catesbeiana (bullfrog)
C;Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 18-Aug-2000
C;Accession: A61033; JE0426
R;Kangawa, K.; Kozawa, H.; Hino, J.; Minamino, N.; Matsuo, H.
Regul. Pept. 42(Suppl.1), S12, 1992
A;Title: Isolation of four novel tachykinins from frog (Rana catesbeiana) brain and intestine.
A;Reference number: A61033
A;Accession: A61033
A;Molecule type: protein
A;Residues: 1-11 <KAN>
R;Kozawa, H.; Hino, J.; Minamino, N.; Kangawa, K.; Matsuo, H.
Biochem. Biophys. Res. Commun. 177, 588-595, 1991
A;Title: Isolation of four novel tachykinins from frog (Rana catesbeiana) brain and intestine.
A;Reference number: JE0426; MUID:91254337; PMID:2043143
A;Accession: JE0426
A;Molecule type: protein
A;Residues: 1-11 <KOZ>
C;Superfamily: unassigned animal peptides
C;Keywords: amidated carboxyl end; neuropeptide
F;11/Modified site: amidated carboxyl end (Met) #status experimental

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 1 KP 2

RESULT 14
D61033
ranatachytinin D - bullfrog
C;Species: Rana catesbeiana (bullfrog)
C;Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 18-Aug-2000
C;Accession: D61033; JE0429
R;Kangawa, K.; Kozawa, H.; Hino, J.; Minamino, N.; Matsuo, H.
Regul. Pept. 42(Suppl.1), S12, 1992
A;Title: Isolation of four novel tachykinins from frog (Rana catesbeiana) brain
and intestine.
A;Reference number: A61033
A;Accession: D61033
A;Molecule type: protein
A;Residues: 1-11 <KAN>
R;Kozawa, H.; Hino, J.; Minamino, N.; Kangawa, K.; Matsuo, H.
Biochem. Biophys. Res. Commun. 177, 588-595, 1991
A;Title: Isolation of four novel tachykinins from frog (Rana catesbeiana) brain
and intestine.
A;Reference number: JE0426; MUID:91254337; PMID:2043143
A;Accession: JE0429
A;Molecule type: protein
A;Residues: 1-11 <KOZ>
C;Superfamily: unassigned animal peptides
C;Keywords: amidated carboxyl end; neuropeptide
F;11/Modified site: amidated carboxyl end (Met) #status experimental

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 1 KP 2

RESULT 15
S42449
ant1 protein - phage P7
C;Species: phage P7
C;Date: 07-Sep-1994 #sequence_revision 26-May-1995 #text_change 08-Oct-1999
C;Accession: S42449
R;Citron, M.; Schuster, H.
Cell 62, 591-598, 1990
A;Title: The c4 repressors of bacteriophages P1 and P7 are antisense RNAs.
A;Reference number: S42448; MUID:90335968; PMID:1696181
A;Accession: S42449
A;Status: preliminary; translation not shown

A;Molecule type: DNA
A;Residues: 1-11 <CIT>
A;Cross-references: EMBL:M35139; NID:g215705; PIDN:AAA32437.1; PID:g215707

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 3 KP 4

RESULT 16
A58502
38K kidney stone protein - unidentified bacterium (fragment)
C;Species: unidentified bacterium
C;Date: 07-Feb-1997 #sequence_revision 07-Feb-1997 #text_change 10-Jul-1998
C;Accession: A58502
R;Binette, J.P.; Binette, M.B.
submitted to the Protein Sequence Database, October 1996
A;Description: The proteins of kidney and gallbladder stones.
A;Reference number: A58501
A;Accession: A58502
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-11 <BIN>
A;Experimental source: human kidney stone containing Ca ox.mono and dihyd, 1%
struvite, CaPO4 carbonate & hydrox., and 4% protein

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 5 GA 6

RESULT 17
C58501
42K bile stone protein - unidentified bacterium (fragment)
C;Species: unidentified bacterium
C;Date: 07-Feb-1997 #sequence_revision 07-Feb-1997 #text_change 10-Jul-1998
C;Accession: C58501
R;Binette, J.P.; Binette, M.B.
submitted to the Protein Sequence Database, October 1996
A;Description: The proteins of kidney and gallbladder stones.
A;Reference number: A58501
A;Accession: C58501
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-11 <BIN>
A;Experimental source: human bile with stones
A;Note: tentative identification of 1-Gly

Query Match 18.2%; Score 2; DB 2; Length 11;

Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 9 GA 10

RESULT 18
JQ0395
hypothetical protein (nodB 3' region) - Azorhizobium caulinodans
N;Alternate names: hypothetical 1.4K protein
C;Species: Azorhizobium caulinodans
A;Note: host Sesbania rostrata
C;Date: 07-Sep-1990 #sequence_revision 07-Sep-1990 #text_change 03-Feb-1994
C;Accession: JQ0395
R;Goethals, K.; Gao, M.; Tomekpe, K.; Van Montagu, M.; Holsters, M.
Mol. Genet. 219, 289-298, 1989
A;Title: Common nodABC genes in Nod locus 1 of Azorhizobium caulinodans:
nucleotide sequence and plant-inducible expression.
A;Reference number: JQ0393; MUID:90136519; PMID:2615763
A;Accession: JQ0395
A;Molecule type: DNA
A;Residues: 1-11 <GOE>
A;Cross-references: GB:L18897
A;Experimental source: strain ORS571

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 10 AR 11

RESULT 19
PQ0231
beta-glucosidase (EC 3.2.1.21) - Cellvibrio gilvus (fragment)
C;Species: Cellvibrio gilvus
C;Date: 31-Mar-1992 #sequence_revision 31-Mar-1992 #text_change 07-May-1999
C;Accession: PQ0231
R;Kashiwagi, Y.; Iijima, C.; Sasaki, T.; Taniguchi, H.
Agric. Biol. Chem. 55, 2553-2559, 1991
A;Title: Characterization of a beta-glucosidase encoded by a gene from
Cellvibrio gilvus.
A;Reference number: PQ0231; MUID:92144103; PMID:1368758
A;Accession: PQ0231
A;Molecule type: protein
A;Residues: 1-11 <KAS>
C;Keywords: glycosidase; hydrolase; polysaccharide degradation

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10

Db ||
10 KP 11

RESULT 20
S66606
quinoline 2-oxidoreductase alpha chain - Comamonas testosteroni (fragment)
C;Species: Comamonas testosteroni
C;Date: 15-Feb-1997 #sequence_revision 13-Mar-1997 #text_change 17-Mar-1999
C;Accession: S66606
R;Schach, S.; Tshisuaka, B.; Fetzner, S.; Lingens, F.
Eur. J. Biochem. 232, 536-544, 1995
A;Title: Quinoline 2-oxidoreductase and 2-oxo-1,2-dihydroquinoline 5,6-dioxygenase from Comamonas testosteroni 63. The first two enzymes in quinoline and 3-methylquinoline degradation.
A;Reference number: S66606; MUID:96035889; PMID:7556204
A;Accession: S66606
A;Molecule type: protein
A;Residues: 1-11 <SCH>
A;Experimental source: strain 63

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
 ||
Db 1 AK 2

RESULT 21
S04875
nifS protein - Bradyrhizobium japonicum (fragment)
C;Species: Bradyrhizobium japonicum
C;Date: 07-Sep-1990 #sequence_revision 07-Sep-1990 #text_change 08-Oct-1999
C;Accession: S04875
R;Ebeling, S.
submitted to the EMBL Data Library, December 1988
A;Reference number: S04873
A;Accession: S04875
A;Molecule type: DNA
A;Residues: 1-11 <EBE>
A;Cross-references: EMBL:X13691; NID:g39544; PIDN:CAA31982.1; PID:g580775
C;Genetics:
A;Gene: nifS
A;Start codon: GTG

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RA 3
 ||
Db 5 RA 6

RESULT 22

I41138
acetyl ornithine deacetylase (argE) - Escherichia coli (fragment)
C;Species: Escherichia coli
C;Date: 31-May-1996 #sequence_revision 31-May-1996 #text_change 08-Oct-1999
C;Accession: I41138
R;Charlier, D.; Piette, J.; Glansdorff, N.
Nucleic Acids Res. 10, 5935-5948, 1982
A;Title: is3 can function as a mobile promoter in e.coli.
A;Reference number: I41137; MUID:83064529; PMID:6292860
A;Accession: I41138
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-11 <RES>
A;Cross-references: GB:J01589; NID:g145346; PIDN:AAA23485.1; PID:g551788

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 LN 5
||
Db 2 LN 3

RESULT 23
S42587
celF protein - Escherichia coli (fragment)
C;Species: Escherichia coli
C;Date: 25-Dec-1994 #sequence_revision 10-Nov-1995 #text_change 10-Nov-1995
C;Accession: S42587
R;Guzzo, A.; DuBow, M.S.
Mol. Gen. Genet. 242, 455-460, 1994
A;Title: A luxAB transcriptional fusion to the cryptic celF gene of Escherichia coli displays increased luminescence in the presence of nickel.
A;Reference number: S42587; MUID:94166755; PMID:8121401
A;Accession: S42587
A;Molecule type: DNA
A;Residues: 1-11 <GUZ>
C;Genetics:
A;Gene: celF

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 4 GA 5

RESULT 24
B43669
hypothetical protein (rhdA 5' region) - Synechococcus sp. (fragment)
C;Species: Synechococcus sp.
C;Date: 03-Mar-1993 #sequence_revision 03-Mar-1993 #text_change 30-Sep-1993
C;Accession: B43669
R;Laudenbach, D.E.; Ehrhardt, D.; Green, L.; Grossman, A.

J. Bacteriol. 173, 2751-2760, 1991

A;Title: Isolation and characterization of a sulfur-regulated gene encoding a periplasmically localized protein with sequence similarity to rhodanese.

A;Reference number: A43669; MUID:91210163; PMID:1708376

A;Accession: B43669

A;Status: preliminary

A;Molecule type: DNA

A;Residues: 1-11 <LAU>

A;Cross-references: GB:M65244

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 6 AK 7

RESULT 25

PC2372

58K heat shock protein groEL [similarity] - Bacillus cereus (strain ts-4)
(fragment)

C;Species: Bacillus cereus

C;Date: 20-Apr-2000 #sequence_revision 20-Apr-2000 #text_change 20-Apr-2000

C;Accession: PC2372

R;Matsuno, K.; Miyamoto, T.; Yamaguchi, K.; Sayed, M.A.; Kajiwara, T.; Hatano, S.

Biosci. Biotechnol. Biochem. 59, 231-235, 1995

A;Title: Identification of DNA-binding proteins changed after induction of sporulation in Bacillus cereus.

A;Reference number: PC2369; MUID:95218265; PMID:7766022

A;Accession: PC2372

A;Status: preliminary

A;Molecule type: protein

A;Residues: 1-11 <MAS>

C;Keywords: heat shock; molecular chaperone; stress-induced protein

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 10 AR 11

RESULT 26

E41476

probable antigen 5 - Mycobacterium leprae (fragment)

C;Species: Mycobacterium leprae

C;Date: 10-Apr-1992 #sequence_revision 10-Apr-1992 #text_change 18-Jun-1993

C;Accession: E41476

R;Hartskeerl, R.A.; van Rens, R.M.; Stabel, L.F.E.M.; de Wit, M.Y.L.; Klatser, P.R.

Infect. Immun. 58, 2821-2827, 1990

A;Title: Selection and characterization of recombinant clones that produce Mycobacterium leprae antigens recognized by antibodies in sera from household contacts of leprosy patients.

A;Reference number: A41476; MUID:90354041; PMID:1696931

A;Accession: E41476

A;Status: preliminary; not compared with conceptual translation

A;Molecule type: DNA

A;Residues: 1-11 <HAR>

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 8 GA 9

RESULT 27

G61497

seed protein ws-23 - winged bean (fragment)

C;Species: Psophocarpus tetragonolobus (winged bean)

C;Date: 07-Oct-1994 #sequence_revision 07-Oct-1994 #text_change 07-Oct-1994

C;Accession: G61497

R;Hirano, H.

J. Protein Chem. 8, 115-130, 1989

A;Title: Microsequence analysis of winged bean seed proteins electroblotted from two-dimensional gel.

A;Reference number: A61491; MUID:89351606; PMID:2765119

A;Accession: G61497

A;Status: preliminary

A;Molecule type: protein

A;Residues: 1-11 <HIR>

C;Keywords: glycoprotein; seed

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 1 AK 2

RESULT 28

PC4267

ribosomal protein L12.1 - rice (fragment)

C;Species: Oryza sativa (rice)

C;Date: 28-May-1997 #sequence_revision 18-Jul-1997 #text_change 18-Jul-1997

C;Accession: PC4267

R;Kawakami, T.; Kamo, M.; Chen, M.C.; Tsugita, A.

submitted to JIPID, April 1997

A;Reference number: PC4267

A;Accession: PC4267

A;Molecule type: protein

A;Residues: 1-11 <KAW>

A;Experimental source: strain Japonica Nihonbare

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 7 PK 8

RESULT 29

PQ0731

unidentified 5.7/35K protein [imported] - rice (fragment)
C;Species: Oryza sativa (rice)
C;Date: 20-Apr-2000 #sequence_revision 20-Apr-2000 #text_change 20-Apr-2000
C;Accession: PQ0731
R;Komatsu, S.; Kajiwara, H.; Hirano, H.
Theor. Appl. Genet. 86, 935-942, 1993
A;Title: A rice protein library; a data-file of rice proteins separated by two-dimensional electrophoresis.
A;Reference number: PQ0696
A;Accession: PQ0731
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-11 <KOM>

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 6 PK 7

RESULT 30

A26120

6-phosphofructokinase (EC 2.7.1.11) - pig roundworm (fragment)
N;Alternate names: phosphofructokinase; phosphohexokinase
C;Species: Ascaris suum (pig roundworm)
C;Date: 15-Dec-1988 #sequence_revision 15-Dec-1988 #text_change 28-Apr-1993
C;Accession: A26120
R;Kulkarni, G.; Rao, G.S.J.; Srinivasan, N.G.; Hofer, H.W.; Yuan, P.M.; Harris, B.G.
J. Biol. Chem. 262, 32-34, 1987
A;Title: Ascaris suum phosphofructokinase. Phosphorylation by protein kinase and sequence of the phosphopeptide.
A;Reference number: A26120; MUID:87083467; PMID:3025208
A;Accession: A26120
A;Molecule type: protein
A;Residues: 1-11 <KUL>
C;Keywords: glycolysis; phosphotransferase

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 1 AK 2

RESULT 31
S33300
probable substance P - smaller spotted catshark
C;Species: Scyliorhinus canicula (smaller spotted catshark, smaller spotted dogfish)
C;Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change 24-Mar-1999
C;Accession: S33300
R;Waugh, D.; Wang, Y.; Hazon, N.; Balment, R.J.; Conlon, J.M.
Eur. J. Biochem. 214, 469-474, 1993
A;Title: Primary structures and biological activities of substance-P-related peptides from the brain of the dogfish, Scyliorhinus canicula.
A;Reference number: S33300; MUID:93292508; PMID:7685693
A;Accession: S33300
A;Molecule type: protein
A;Residues: 1-11 <WAU>
A;Experimental source: brain
C;Function:
A;Description: may play a physiological role in the regulation of cardiovascular and gastrointestinal functions
A;Note: substance P is derived by post-translational processing of preprotachykinin A
C;Keywords: amidated carboxyl end; neuropeptide; tachykinin
F;11/Modified site: amidated carboxyl end (Met) #status predicted

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 1 KP 2

RESULT 32
E57789
gallbladder stone matrix protein, 25K - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 23-Feb-1996 #sequence_revision 23-Feb-1996 #text_change 23-Feb-1996
C;Accession: E57789
R;Binette, J.P.; Binette, M.B.
submitted to the Protein Sequence Database, February 1996
A;Description: The proteins of gallbladder stones.
A;Reference number: A57789
A;Accession: E57789
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-11 <BIN>

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
 ||
Db 5 AL 6

RESULT 33

PT0249

Ig heavy chain CRD3 region (clone 2-109A) - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 16-Aug-1996
C;Accession: PT0249
R;Yamada, M.; Wasserman, R.; Reichard, B.A.; Shane, S.; Caton, A.J.; Rovera, G.
J. Exp. Med. 173, 395-407, 1991
A;Title: Preferential utilization of specific immunoglobulin heavy chain
diversity and joining segments in adult human peripheral blood B lymphocytes.
A;Reference number: PT0222; MUID:91108337; PMID:1899102
A;Accession: PT0249
A;Molecule type: DNA
A;Residues: 1-11 <YAM>
A;Experimental source: B lymphocyte
C;Keywords: heterotetramer; immunoglobulin

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 WG 7
 ||
Db 4 WG 5

RESULT 34

S51732

T-cell receptor alpha chain joining region - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 07-May-1995 #sequence_revision 01-Sep-1995 #text_change 05-Nov-1999
C;Accession: S51732
R;Durinovic-Bello, I.; Steinle, A.; Ziegler, A.G.; Schendel, D.J.
submitted to the EMBL Data Library, November 1993
A;Reference number: S51732
A;Accession: S51732
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-11 <DUR>
A;Cross-references: EMBL:Z28343; NID:g607116; PIDN:CAA82197.1; PID:g607117
C;Keywords: T-cell receptor

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
 ||
Db 2 AL 3

RESULT 35

A33571
follistatin - bovine (fragment)
C;Species: Bos primigenius taurus (cattle)
C;Date: 09-Mar-1990 #sequence_revision 09-Mar-1990 #text_change 30-Sep-1993
C;Accession: A33571
R;Gospodarowicz, D.; Lau, K.
Biochem. Biophys. Res. Commun. 165, 292-298, 1989
A;Title: Pituitary follicular cells secrete both vascular endothelial growth factor and follistatin.
A;Reference number: A33571; MUID:90073725; PMID:2590228
A;Accession: A33571
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-11 <GOS>

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 8 AK 9 ^

RESULT 36
S78765
ribosomal protein MRP-S24, mitochondrial - bovine (fragment)
C;Species: Bos primigenius taurus (cattle)
C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 20-Sep-1999
C;Accession: S78765
R;Graack, H.R.
submitted to the Protein Sequence Database, July 1999
A;Reference number: S78760
A;Accession: S78765
A;Molecule type: protein
A;Residues: 1-11 <GRA>
C;Keywords: mitochondrion
F;1-11/Product: ribosomal protein MRP-S24 (fragment) #status experimental <MAT>

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 6 PK 7

RESULT 37
A14454
6-phosphofructokinase (EC 2.7.1.11) - sheep (fragment)
C;Species: Ovis orientalis aries, Ovis ammon aries (domestic sheep)
C;Date: 05-Jun-1987 #sequence_revision 05-Jun-1987 #text_change 28-Apr-1993
C;Accession: A14454
R;Fordyce, A.M.; Midwinter, G.G.; Moore, C.H.
Biochem. Soc. Trans. 7, 721-723, 1979
A;Title: The N-terminal amino acid sequence of sheep heart phosphofructokinase.

A;Reference number: A14454; MUID:80004524; PMID:157899
A;Accession: A14454
A;Molecule type: protein
A;Residues: 1-11 <FOR>
C;Keywords: glycolysis; phosphotransferase

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 8 AK 9

RESULT 38
PN0664
dystrophin-associated glycoprotein A3a-III - rabbit (fragment)
C;Species: Oryctolagus cuniculus (domestic rabbit)
C;Date: 19-May-1994 #sequence_revision 19-May-1994 #text_change 07-May-1999
C;Accession: PN0664
R;Yoshida, M.; Mizuno, Y.; Nonaka, I.; Ozawa, E.
J. Biochem. 114, 634-639, 1993
A;Title: A dystrophin-associated glycoprotein, A3a (one of 43DAG doublets), is retained in Duchenne muscular dystrophy muscle.
A;Reference number: PN0662; MUID:94156881; PMID:8113213
A;Accession: PN0664
A;Molecule type: protein
A;Residues: 1-11 <YOS>
C;Comment: This protein is retained in Duchenne type muscular dystrophy muscle.
C;Keywords: glycoprotein; skeletal muscle

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 LN 5
||
Db 4 LN 5

RESULT 39
PH1632
Ig H chain V-D-J region (clone B-less 209) - mouse (fragment)
C;Species: Mus musculus (house mouse)
C;Date: 02-Jun-1994 #sequence_revision 02-Jun-1994 #text_change 17-Mar-1999
C;Accession: PH1632
R;Levinson, D.A.; Campos-Torres, J.; Leder, P.
J. Exp. Med. 178, 317-329, 1993
A;Title: Molecular characterization of transgene-induced immunodeficiency in B-less mice using a novel quantitative limiting dilution polymerase chain reaction method.
A;Reference number: PH1580; MUID:93301609; PMID:8315387
A;Accession: PH1632
A;Molecule type: DNA
A;Residues: 1-11 <LEV>
A;Experimental source: bone marrow pre-B lymphocyte

C;Keywords: immunoglobulin

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 2 AR 3

RESULT 40

PH1600

Ig H chain V-D-J region (wild-type clone 310) - mouse (fragment)

C;Species: Mus musculus (house mouse)

C;Date: 02-Jun-1994 #sequence_revision 02-Jun-1994 #text_change 17-Mar-1999

C;Accession: PH1600

R;Levinson, D.A.; Campos-Torres, J.; Leder, P.

J. Exp. Med. 178, 317-329, 1993

A;Title: Molecular characterization of transgene-induced immunodeficiency in B-less mice using a novel quantitative limiting dilution polymerase chain reaction method.

A;Reference number: PH1580; MUID:93301609; PMID:8315387

A;Accession: PH1600

A;Molecule type: DNA

A;Residues: 1-11 <LEV>

A;Experimental source: bone marrow pre-B lymphocyte

C;Keywords: immunoglobulin

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 2 AR 3

RESULT 41

PH1583

Ig H chain V-D-J region (wild-type clone 6) - mouse (fragment)

C;Species: Mus musculus (house mouse)

C;Date: 02-Jun-1994 #sequence_revision 02-Jun-1994 #text_change 17-Mar-1999

C;Accession: PH1583

R;Levinson, D.A.; Campos-Torres, J.; Leder, P.

J. Exp. Med. 178, 317-329, 1993

A;Title: Molecular characterization of transgene-induced immunodeficiency in B-less mice using a novel quantitative limiting dilution polymerase chain reaction method.

A;Reference number: PH1580; MUID:93301609; PMID:8315387

A;Accession: PH1583

A;Molecule type: DNA

A;Residues: 1-11 <LEV>

A;Experimental source: bone marrow pre-B lymphocyte

C;Keywords: immunoglobulin

Query Match 18.2%; Score 2; DB 2; Length 11;

Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 2 AR 3

RESULT 42

PH1584

Ig H chain V-D-J region (wild-type clone 8) - mouse (fragment)

C;Species: Mus musculus (house mouse)

C;Date: 02-Jun-1994 #sequence_revision 02-Jun-1994 #text_change 17-Mar-1999

C;Accession: PH1584

R;Levinson, D.A.; Campos-Torres, J.; Leder, P.

J. Exp. Med. 178, 317-329, 1993

A;Title: Molecular characterization of transgene-induced immunodeficiency in B-less mice using a novel quantitative limiting dilution polymerase chain reaction method.

A;Reference number: PH1580; MUID:93301609; PMID:8315387

A;Accession: PH1584

A;Molecule type: DNA

A;Residues: 1-11 <LEV>

A;Experimental source: bone marrow pre-B lymphocyte

C;Keywords: immunoglobulin

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 2 AR 3

RESULT 43

PT0209

T-cell receptor alpha chain V-J region (4-1-L.6) - mouse (fragment)

C;Species: Mus musculus (house mouse)

C;Date: 31-Dec-1991 #sequence_revision 31-Dec-1991 #text_change 30-May-1997

C;Accession: PT0209

R;Nakano, N.; Kikutani, H.; Nishimoto, H.; Kishimoto, T.

J. Exp. Med. 173, 1091-1097, 1991

A;Title: T cell receptor V gene usage of islet beta cell-reactive T cells is not restricted in non-obese diabetic mice.

A;Reference number: PT0209; MUID:91217621; PMID:1902501

A;Accession: PT0209

A;Molecule type: mRNA

A;Residues: 1-11 <NAK>

C;Keywords: T-cell receptor

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||

Db

2 AL 3

RESULT 44

PT0214

T-cell receptor beta chain V-J region (4-1-L.6) - mouse (fragment)

C;Species: Mus musculus (house mouse)

C;Date: 31-Dec-1991 #sequence_revision 31-Dec-1991 #text_change 30-May-1997

C;Accession: PT0214

R;Nakano, N.; Kikutani, H.; Nishimoto, H.; Kishimoto, T.

J. Exp. Med. 173, 1091-1097, 1991

A;Title: T cell receptor V gene usage of islet beta cell-reactive T cells is not restricted in non-obese diabetic mice.

A;Reference number: PT0209; MUID:91217621; PMID:1902501

A;Accession: PT0214

A;Molecule type: mRNA

A;Residues: 1-11 <NAK>

C;Keywords: T-cell receptor

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8

||

Db 2 GA 3

RESULT 45

PT0218

T-cell receptor beta chain V-J region (7-10-D.3) - mouse (fragment)

C;Species: Mus musculus (house mouse)

C;Date: 31-Dec-1991 #sequence_revision 31-Dec-1991 #text_change 30-May-1997

C;Accession: PT0218

R;Nakano, N.; Kikutani, H.; Nishimoto, H.; Kishimoto, T.

J. Exp. Med. 173, 1091-1097, 1991

A;Title: T cell receptor V gene usage of islet beta cell-reactive T cells is not restricted in non-obese diabetic mice.

A;Reference number: PT0209; MUID:91217621; PMID:1902501

A;Accession: PT0218

A;Molecule type: mRNA

A;Residues: 1-11 <NAK>

C;Keywords: T-cell receptor

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8

||

Db 2 GA 3

RESULT 46

PD0441

translation elongation factor TU-like protein P43, mitochondrial - mouse
(fragment)

C;Species: Mus musculus (house mouse)
C;Date: 21-Aug-1998 #sequence_revision 21-Aug-1998 #text_change 21-Aug-1998
C;Accession: PD0441
R;Kawakami, T.; Uchida, T.; Sakai, T.; Kamo, M.; Morimasa, T.; Tsugita, A.
submitted to JIPID, August 1998
A;Description: Proteome analysis of mouse brain.
A;Reference number: PD0441
A;Accession: PD0441
A;Molecule type: protein
A;Residues: 1-11 <KAW>
A;Experimental source: striatum
C;Keywords: mitochondrion

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 4 AK 5

RESULT 47

S65377
cytochrome-c oxidase (EC 1.9.3.1) chain VIa-H, cardiac - rat (fragment)
C;Species: Rattus norvegicus (Norway rat)
C;Date: 28-Oct-1996 #sequence_revision 13-Mar-1997 #text_change 16-Jul-1999
C;Accession: S65377
R;Schaegger, H.; Noack, H.; Halangk, W.; Brandt, U.; von Jagow, G.
Eur. J. Biochem. 230, 235-241, 1995
A;Title: Cytochrome-c oxidase in developing rat heart. Enzymic properties and
amino-terminal sequences suggest identity of the fetal heart and the adult liver
isoform.
A;Reference number: S65372; MUID:95324529; PMID:7601105
A;Accession: S65377
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-11 <SCH>
C;Keywords: cardiac muscle; heart; oxidoreductase

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 3 AK 4

RESULT 48

S09349
microtubule-associated protein MAP2 - rat (fragment)
C;Species: Rattus norvegicus (Norway rat)
C;Date: 19-Mar-1997 #sequence_revision 29-Aug-1997 #text_change 21-Nov-1998
C;Accession: S09349
R;Papandrikopoulou, A.; Doll, T.; Tucker, R.P.; Garner, C.C.; Matus, A.
Nature 340, 650-652, 1989

A;Title: Embryonic MAP2 lacks the cross-linking sidearm sequences and dendritic targeting signal of adult MAP2.

A;Reference number: S09349; MUID:89365159; PMID:2770869

A;Accession: S09349

A;Status: not compared with conceptual translation

A;Molecule type: mRNA

A;Residues: 1-11 <PAP>

C;Genetics:

A;Gene: MAP2

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 1 AL 2

RESULT 49

PH0939

T-cell receptor beta chain V-D-J region (clone 10) - rat (fragment)

C;Species: Rattus norvegicus (Norway rat)

C;Date: 09-Oct-1992 #sequence_revision 09-Oct-1992 #text_change 30-May-1997

C;Accession: PH0939

R;Gold, D.P.; Offner, H.; Sun, D.; Wiley, S.; Vandebark, A.A.; Wilson, D.B.
J. Exp. Med. 174, 1467-1476, 1991

A;Title: Analysis of T cell receptor beta chains in Lewis rats with experimental allergic encephalomyelitis: conserved complementarity determining region 3.

A;Reference number: PH0891; MUID:92078857; PMID:1836012

A;Accession: PH0939

A;Molecule type: mRNA

A;Residues: 1-11 <GOL>

A;Experimental source: complete Freund's adjuvant-immunized lymph node

C;Keywords: T-cell receptor

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 5 KP 6

RESULT 50

PH0903

T-cell receptor beta chain V-D-J region (hybridoma S1C2A6) - rat (fragment)

C;Species: Rattus norvegicus (Norway rat)

C;Date: 09-Oct-1992 #sequence_revision 09-Oct-1992 #text_change 30-May-1997

C;Accession: PH0903

R;Gold, D.P.; Offner, H.; Sun, D.; Wiley, S.; Vandebark, A.A.; Wilson, D.B.
J. Exp. Med. 174, 1467-1476, 1991

A;Title: Analysis of T cell receptor beta chains in Lewis rats with experimental allergic encephalomyelitis: conserved complementarity determining region 3.

A;Reference number: PH0891; MUID:92078857; PMID:1836012

A;Accession: PH0903

A;Molecule type: mRNA
A;Residues: 1-11 <GOL>
A;Experimental source: myelin basic protein-immunized T-cell
C;Keywords: T-cell receptor

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
 ||
Db 6 GA 7

RESULT 51
S19015
hypothetical protein 11 ruvC-yebC intergenic region - Escherichia coli
C;Species: Escherichia coli
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 15-Oct-1999
C;Accession: S19015
R;Sharples, G.J.; Lloyd, R.G.
J. Bacteriol. 173, 7711-7715, 1991
A;Title: Resolution of Holliday junctions in Escherichia coli: identification of the ruvC gene product as a 19-kilodalton protein.
A;Reference number: S19013; MUID:92041688; PMID:1657895
A;Accession: S19015
A;Molecule type: DNA
A;Residues: 1-11 <SHA>
A;Cross-references: EMBL:X59551; NID:g42172; PIDN:CAA42127.1; PID:g42174
C;Comment: This is the hypothetical translation of a sequence that was not reported as a coding sequence in the complete genome.

Query Match 18.2%; Score 2; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
 ||
Db 4 AK 5

RESULT 52
I54081
retinoic acid receptor alpha, exon 3 (mistranslated) - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 04-Jun-1999 #sequence_revision 04-Jun-1999 #text_change 28-Jun-1999
C;Accession: I54081
R;Dong, S.; Geng, J.P.; Tong, J.H.; Wu, Y.; Cai, J.R.; Sun, G.L.; Chen, S.R.;
Wang, Z.Y.; Larsen, C.J.; Berger, R.
Genes Chromosomes Cancer 6, 133-139, 1993
A;Title: Breakpoint clusters of the PML gene in acute promyelocytic leukemia: primary structure of the reciprocal products of the PML-RARA gene in a patient with t(15;17).
A;Reference number: I54081; MUID:93222087; PMID:7682097
A;Accession: I54081
A;Status: translated from GB/EMBL/DDBJ
A;Molecule type: DNA

A;Residues: 1-11 <DON>
A;Cross-references: GB:S57794; NID:g299073; PIDN:AAD13888.1; PID:g4261588
A;Note: the translation is from an incorrect reading frame
C;Genetics:
A;Gene: GDB:RARA
A;Cross-references: GDB:120337; OMIM:180240
A;Map position: 17q12-17q12

Query Match 18.2%; Score 2; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.8e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RA 3
||
Db 5 RA 6

RESULT 53
XAVIBH
bradykinin-potentiating peptide - halys viper
N;Alternate names: BPP
C;Species: Agkistrodon halys (halys viper)
C;Date: 30-Sep-1988 #sequence_revision 30-Sep-1988 #text_change 05-Aug-1994
C;Accession: JC0002
R;Chi, C.W.; Wang, S.Z.; Xu, L.G.; Wang, M.Y.; Lo, S.S.; Huang, W.D.
Peptides 6, 339-342, 1985
A;Title: Structure-function studies on the bradykinin potentiating peptide from Chinese snake venom (Agkistrodon halys Pallas).
A;Reference number: JC0002; MUID:86177022; PMID:3008123
A;Accession: JC0002
A;Molecule type: protein
A;Residues: 1-11 <CHI>
C;Comment: Because this peptide both inhibits the activity of the angiotensin-converting enzyme and enhances the action of bradykinin, it is an antihypertensive agent.
C;Superfamily: bradykinin-potentiating peptide
C;Keywords: angiotensin-converting enzyme inhibitor; antihypertensive; bradykinin; pyroglutamic acid; venom
F;1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 G 7
|
Db 2 G 2

RESULT 54
ECLQ2M
tachykinin II - migratory locust
C;Species: Locusta migratoria (migratory locust)
C;Date: 31-Dec-1991 #sequence_revision 31-Dec-1991 #text_change 08-Dec-1995
C;Accession: S08266
R;Schoofs, L.; Holman, G.M.; Hayes, T.K.; Nachman, R.J.; de Loof, A.
FEBS Lett. 261, 397-401, 1990

A;Title: Locustatachytinin I and II, two novel insect neuropeptides with homology to peptides of the vertebrate tachytinin family.

A;Reference number: S08265; MUID:90184489; PMID:2311766

A;Accession: S08266

A;Molecule type: protein

A;Residues: 1-11 <SCH>

C;Superfamily: tachytinin

C;Keywords: amidated carboxyl end; neuropeptide; tachytinin

F;1/Modified site: amidated carboxyl end (Arg) #status experimental

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 A 1
|
Db 1 A 1

RESULT 55

EOOCC

eledoisin - curled octopus

C;Species: Eledone cirrosa, Ozaena cirrosa (curled octopus)

C;Date: 31-Dec-1991 #sequence_revision 31-Dec-1991 #text_change 20-Mar-1998

C;Accession: B01561; A01561

R;Anastasi, A.; Erspamer, V.

Arch. Biochem. Biophys. 101, 56-65, 1963

A;Title: The isolation and amino acid sequence of eldoisin, the active endecapeptide of the posterior salivary glands of Eledone.

A;Reference number: A01561

A;Accession: B01561

A;Molecule type: protein

A;Residues: 1-11 <ANA>

C;Superfamily: substance P precursor

C;Keywords: amidated carboxyl end; hormone; pyroglutamic acid; salivary gland; secretagogue; vasodilator; venom

F;1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental

F;11/Modified site: amidated carboxyl end (Met) #status experimental

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 P 10
|
Db 2 P 2

RESULT 56

EOOC

eledoisin - musky octopus

C;Species: Eledone moschata, Ozaena moschata (musky octopus)

C;Date: 13-Jul-1981 #sequence_revision 13-Jul-1981 #text_change 20-Mar-1998

C;Accession: A01561

R;Anastasi, A.; Erspamer, V.

Arch. Biochem. Biophys. 101, 56-65, 1963

A;Title: The isolation and amino acid sequence of eledoisin, the active endecapeptide of the posterior salivary glands of Eledone.
A;Reference number: A01561
A;Accession: A01561
A;Molecule type: protein
A;Residues: 1-11 <ANA>
C;Superfamily: substance P precursor
C;Keywords: amidated carboxyl end; hormone; pyroglutamic acid; salivary gland; secretagogue; vasodilator; venom
F;1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental
F;11/Modified site: amidated carboxyl end (Met) #status experimental

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 P 10
|
Db 2 P 2

RESULT 57
GMROL
leucosulfakinin - Madeira cockroach
N;Alternate names: LSK
C;Species: Leucophaea maderae (Madeira cockroach)
C;Date: 17-Mar-1987 #sequence_revision 17-Mar-1987 #text_change 13-Sep-1996
C;Accession: A01622
R;Nachman, R.J.; Holman, G.M.; Haddon, W.F.; Ling, N.
Science 234, 71-73, 1986
A;Title: Leucosulfakinin, a sulfated insect neuropeptide with homology to gastrin and cholecystokinin.
A;Reference number: A01622; MUID:86315858; PMID:3749893
A;Accession: A01622
A;Molecule type: protein
A;Residues: 1-11 <NAC>
C;Superfamily: gastrin
C;Keywords: amidated carboxyl end; hormone; sulfoprotein
F;6/Binding site: sulfate (Tyr) (covalent) #status experimental
F;11/Modified site: amidated carboxyl end (Phe) #status experimental

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|
Db 10 R 10

RESULT 58
G42762
proteasome endopeptidase complex (EC 3.4.25.1) subunit 13 - bovine (fragment)
C;Species: Bos primigenius taurus (cattle)
C;Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 17-Feb-2003
C;Accession: G42762
R;Dick, L.R.; Moomaw, C.R.; Pramanik, B.C.; DeMartino, G.N.; Slaughter, C.A.

Biochemistry 31, 7347-7355, 1992

A;Title: Identification and localization of a cysteinyl residue critical for the trypsin-like catalytic activity of the proteasome.

A;Reference number: A42762; MUID:92378961; PMID:1510924

A;Accession: G42762

A;Status: preliminary

A;Molecule type: protein

A;Residues: 1-11 <DIC>

A;Note: sequence extracted from NCBI backbone (NCBIP:112176)

C;Superfamily: multicatalytic endopeptidase complex chain C9

C;Keywords: hydrolase

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 K 9
|
Db 8 K 8

RESULT 59

S68392

H+-transporting two-sector ATPase (EC 3.6.3.14) chain I - Chlamydomonas reinhardtii chloroplast (fragment)

N;Alternate names: ATP synthase chain I

C;Species: chloroplast Chlamydomonas reinhardtii

C;Date: 04-Dec-1997 #sequence_revision 12-Dec-1997 #text_change 03-Jun-2002

C;Accession: S68392

R;Fiedler, H.R.; Schmid, R.; Leu, S.; Shavit, N.; Strotmann, H.
FEBS Lett. 377, 163-166, 1995

A;Title: Isolation of CF(0)CF(1) from Chlamydomonas reinhardtii cw15 and the N-terminal amino acid sequences of the CF(0)CF(1) subunits.

A;Reference number: S68388; MUID:96128220; PMID:8543042

A;Accession: S68392

A;Molecule type: protein

A;Residues: 1-11 <FIE>

A;Experimental source: strain CW15

C;Genetics:

A;Genome: chloroplast

C;Superfamily: H+-transporting ATP synthase protein 6

C;Keywords: ATP biosynthesis; chloroplast; hydrolase; membrane-associated complex; thylakoid

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 G 7
|
Db 5 G 5

RESULT 60

A33917

dihydroorotase (EC 3.5.2.3) - Chinese hamster (fragment)

C;Species: Cricetulus griseus (Chinese hamster)

C;Date: 09-Mar-1990 #sequence_revision 09-Mar-1990 #text_change 07-Nov-1997
C;Accession: A33917
R;Simmer, J.P.; Kelly, R.E.; Scully, J.L.; Grayson, D.R.; Rinker Jr., A.G.;
Bergh, S.T.; Evans, D.R.
Proc. Natl. Acad. Sci. U.S.A. 86, 4382-4386, 1989
A;Title: Mammalian aspartate transcarbamylase (ATCase): sequence of the ATCase
domain and interdomain linker in the CAD multifunctional polypeptide and
properties of the isolated domain.
A;Reference number: A33917; MUID:89282776; PMID:2543974
A;Accession: A33917
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-11 <SIM>
A;Cross-references: GB:M23652
C;Superfamily: rudimentary enzyme; aspartate/ornithine carbamoyltransferase
homology; Bacillus dihydroorotate homology; biotin carboxylase homology;
carbamoyl-phosphate synthase (ammonia) homology; carbamoyl-phosphate synthase
(glutamine-hydrolyzing) large chain homology; carbamoyl-phosphate synthase
(glutamine-hydrolyzing) small chain homology; trpG homology
C;Keywords: hydrolase

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|
Db 11 R 11

RESULT 61
JN0023
substance P - chicken
C;Species: Gallus gallus (chicken)
C;Date: 07-Sep-1990 #sequence_revision 07-Sep-1990 #text_change 11-Jul-1997
C;Accession: JN0023
R;Conlon, J.M.; Katsoulis, S.; Schmidt, W.E.; Thim, L.
Regul. Pept. 20, 171-180, 1988
A;Title: [Arg3]substance P and neurokinin A from chicken small intestine.
A;Reference number: JN0023; MUID:88204263; PMID:2452461
A;Accession: JN0023
A;Molecule type: protein
A;Residues: 1-11 <CON>
C;Superfamily: substance P precursor
C;Keywords: amidated carboxyl end; tachykinin
F;11/Modified site: amidated carboxyl end (Met) #status predicted

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|
Db 1 R 1

RESULT 62

S32575

ribosomal protein S2, plastid - squawroot plastid (fragment)
C;Species: plastid Conopholis americana (squawroot)
C;Date: 19-Mar-1997 #sequence_revision 25-Apr-1997 #text_change 13-Aug-1999
C;Accession: S32575
R;Taylor, G.W.; Wolfe, K.H.; Morden, C.W.; dePamphilis, C.W.; Palmer, J.D.
Curr. Genet. 20, 515-518, 1991
A;Title: Lack of a functional plastid tRNA(Cys) gene is associated with loss of
photosynthesis in a lineage of parasitic plants.
A;Reference number: S32575; MUID:92145776; PMID:1723664
A;Accession: S32575
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-11 <TAY>
A;Cross-references: EMBL:X64567; NID:g11275; PIDN:CAA45868.1; PID:g11276
C;Genetics:
A;Gene: rps2
A;Genome: plastid
C;Superfamily: Escherichia coli ribosomal protein S2
C;Keywords: plastid; protein biosynthesis; ribosome

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|
Db 3 R 3

RESULT 63

A40693
transgelin - sheep (fragment)
C;Species: Ovis orientalis aries, Ovis ammon aries (domestic sheep)
C;Date: 03-May-1994 #sequence_revision 03-May-1994 #text_change 31-Oct-1997
C;Accession: A40693
R;Shapland, C.; Hsuan, J.J.; Totty, N.F.; Lawson, D.
J. Cell Biol. 121, 1065-1073, 1993
A;Title: Purification and properties of transgelin: a transformation and shape
change sensitive actin-gelling protein.
A;Reference number: A40693; MUID:93273790; PMID:8501116
A;Accession: A40693
A;Molecule type: protein
A;Residues: 1-11 <SHA>
A;Experimental source: aorta
C;Comment: This protein gels actin and is down regulated by transformation or
loss of cell adherence in culture.
C;Superfamily: smooth muscle protein SM22; calponin repeat homology; smooth
muscle protein SM22 homology
C;Keywords: actin binding; cytoskeleton

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|

Db

9 R 9

RESULT 64

PQ0682

photosystem I 17.5K D2 chain - common tobacco (fragment)

C;Species: Nicotiana tabacum (common tobacco)

C;Date: 19-May-1994 #sequence_revision 19-May-1994 #text_change 17-Mar-1999

C;Accession: PQ0682

R;Obokata, J.; Mikami, K.; Hayashida, N.; Nakamura, M.; Sugiura, M.

Plant Physiol. 102, 1259-1267, 1993

A;Title: Molecular heterogeneity of photosystem I. psaD, psaE, psaF, psaH and psaL are all present in isoforms in Nicotiana spp.

A;Reference number: PQ0667; MUID:94105345; PMID:8278548

A;Accession: PQ0682

A;Molecule type: protein

A;Residues: 1-11 <OBO>

C;Superfamily: photosystem I chain II

C;Keywords: chloroplast; photosynthesis; photosystem I; thylakoid

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 A 1

|

Db 1 A 1

RESULT 65

S00616

parasporal crystal protein, wax moth-specific - Bacillus thuringiensis (strain galleriae 11-67) (fragment)

N;Alternate names: delta-endotoxin; parasporal crystal protein positive chain

C;Species: Bacillus thuringiensis

C;Date: 31-Dec-1988 #sequence_revision 31-Dec-1988 #text_change 13-Sep-1996

C;Accession: S00616

R;Chestukhina, G.G.; Kostina, L.I.; Zalunin, I.A.; Khodova, O.M.; Stepanov, V.M. FEBS Lett. 232, 249-251, 1988

A;Title: Bacillus thuringiensis ssp. galleriae simultaneously produces two delta-endotoxins differing strongly in primary structure and entomocidal activity.

A;Reference number: S00615

A;Accession: S00616

A;Molecule type: protein

A;Residues: 1-11 <CHE>

C;Comment: This toxin is effective against the larvae of Galleria melonella (greater wax moth) but not those of Lymantria dispar (gypsy moth).

C;Superfamily: parasporal crystal protein

C;Keywords: delta-endotoxin

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 P 10

|

Db

2 P 2

RESULT 66

C53652

rhlR protein - *Pseudomonas aeruginosa* (fragment)

C;Species: *Pseudomonas aeruginosa*

C;Date: 21-Jul-1995 #sequence_revision 28-Jul-1995 #text_change 21-Aug-1998

C;Accession: C53652

R;Ochsner, U.A.; Fiechter, A.; Reiser, J.

J. Biol. Chem. 269, 19787-19795, 1994

A;Title: Isolation, characterization, and expression in *Escherichia coli* of the *Pseudomonas aeruginosa* rhlAB genes encoding a rhamnosyltransferase involved in rhamnolipid biosurfactant synthesis.

A;Reference number: A53652; MUID:94327521; PMID:8051059

A;Accession: C53652

A;Status: preliminary

A;Molecule type: DNA

A;Residues: 1-11 <OCH>

A;Cross-references: GB:L28170

C;Superfamily: sdiA regulatory protein

Query Match 9.1%; Score 1; DB 2; Length 11;

Best Local Similarity 100.0%; Pred. No. 2e+05;

Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2

|

Db 2 R 2

RESULT 67

S09074

cytochrome P450-4b - rat (fragment)

N;Alternate names: cytochrome P450K-5

N;Contains: oxidoreductase (EC 1.---)

C;Species: *Rattus norvegicus* (Norway rat)

C;Date: 23-Apr-1993 #sequence_revision 23-Apr-1993 #text_change 05-Mar-1999

C;Accession: S09074

R;Imaoka, S.; Terano, Y.; Funae, Y.

Arch. Biochem. Biophys. 278, 168-178, 1990

A;Title: Changes in the amount of cytochrome P450s in rat hepatic microsomes with starvation.

A;Reference number: S09072; MUID:90210577; PMID:2321956

A;Accession: S09074

A;Molecule type: protein

A;Residues: 1-11 <IMA>

C;Superfamily: unassigned cytochrome P450; cytochrome P450 homology

C;Keywords: heme; microsome; monooxygenase; oxidoreductase; transmembrane protein

Query Match 9.1%; Score 1; DB 2; Length 11;

Best Local Similarity 100.0%; Pred. No. 2e+05;

Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 L 4

|

Db 8 L 8

RESULT 68
A57458
gene Gax protein - mouse (fragment)
C;Species: Mus sp. (mouse)
C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 15-Oct-1999
C;Accession: A57458
R;Andres, V.; Fisher, S.; Wearsch, P.; Walsh, K.
Mol. Cell. Biol. 15, 4272-4281, 1995
A;Title: Regulation of Gax homeobox gene transcription by a combination of positive factors including myocyte-specific enhancer factor 2.
A;Reference number: A57458; MUID:95349593; PMID:7623821
A;Accession: A57458
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-11 <RES>
A;Cross-references: GB:S79168; NID:g1050991
C;Genetics:
A;Gene: Gax
C;Superfamily: unassigned homeobox proteins; homeobox homology
C;Keywords: DNA binding; homeobox; nucleus; transcription regulation

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|
Db 10 R 10

RESULT 69
A26930
ermG leader peptide 1 - Bacillus sphaericus
C;Species: Bacillus sphaericus
C;Date: 08-Mar-1989 #sequence_revision 08-Mar-1989 #text_change 24-Sep-1999
C;Accession: A26930
R;Monod, M.; Mohan, S.; Dubnau, D.
J. Bacteriol. 169, 340-350, 1987
A;Title: Cloning and analysis of ermG, a new macrolide-lincosamide-streptogramin B resistance element from Bacillus sphaericus.
A;Reference number: A91840; MUID:87083389; PMID:3025178
A;Accession: A26930
A;Molecule type: DNA
A;Residues: 1-11 <MON>
A;Cross-references: GB:M15332; NID:g142881; PIDN:AAA22417.1; PID:g142882
C;Superfamily: unassigned leader peptides

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 N 5
|
Db 2 N 2

RESULT 70

D60409

kassinin-like peptide K-III - frog (Pseudophryne guentheri)

C;Species: Pseudophryne guentheri

C;Date: 30-Jan-1993 #sequence_revision 30-Jan-1993 #text_change 02-Sep-2000

C;Accession: D60409

R;Simmaco, M.; Severini, C.; De Biase, D.; Barra, D.; Bossa, F.; Roberts, J.D.;

Melchiorri, P.; Erspamer, V.

Peptides 11, 299-304, 1990

A;Title: Six novel tachykinin- and bombesin-related peptides from the skin of the Australian frog Pseudophryne guentheri.

A;Reference number: A60409; MUID:90287814; PMID:2356157

A;Accession: D60409

A;Molecule type: protein

A;Residues: 1-11 <SIM>

C;Superfamily: unassigned animal peptides

C;Keywords: amidated carboxyl end; pyroglutamic acid

F;1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental

F;11/Modified site: amidated carboxyl end (Met) #status experimental

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 N 5
|
Db 5 N 5

RESULT 71

F60409

substance P-like peptide II - frog (Pseudophryne guentheri)

C;Species: Pseudophryne guentheri

C;Date: 30-Jan-1993 #sequence_revision 30-Jan-1993 #text_change 02-Sep-2000

C;Accession: F60409

R;Simmaco, M.; Severini, C.; De Biase, D.; Barra, D.; Bossa, F.; Roberts, J.D.;

Melchiorri, P.; Erspamer, V.

Peptides 11, 299-304, 1990

A;Title: Six novel tachykinin- and bombesin-related peptides from the skin of the Australian frog Pseudophryne guentheri.

A;Reference number: A60409; MUID:90287814; PMID:2356157

A;Accession: F60409

A;Molecule type: protein

A;Residues: 1-11 <SIM>

C;Superfamily: unassigned animal peptides

C;Keywords: amidated carboxyl end; pyroglutamic acid

F;1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental

F;11/Modified site: amidated carboxyl end (Met) #status experimental

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 N 5
|

Db

3 N 3

RESULT 72

E60409

substance P-like peptide I - frog (*Pseudophryne guentheri*)

C;Species: *Pseudophryne guentheri*

C;Date: 30-Jan-1993 #sequence_revision 30-Jan-1993 #text_change 02-Sep-2000

C;Accession: E60409

R;Simmaco, M.; Severini, C.; De Biase, D.; Barra, D.; Bossa, F.; Roberts, J.D.; Melchiorri, P.; Erspamer, V.

Peptides 11, 299-304, 1990

A;Title: Six novel tachykinin- and bombesin-related peptides from the skin of the Australian frog *Pseudophryne guentheri*.

A;Reference number: A60409; MUID:90287814; PMID:2356157

A;Accession: E60409

A;Molecule type: protein

A;Residues: 1-11 <SIM>

C;Superfamily: unassigned animal peptides

C;Keywords: amidated carboxyl end; pyroglutamic acid

F;1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental

F;11/Modified site: amidated carboxyl end (Met) #status experimental

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 N 5

|

Db 3 N 3

RESULT 73

YHRT

morphogenetic neuropeptide - rat

C;Species: *Rattus norvegicus* (Norway rat)

C;Date: 20-Jun-2000 #sequence_revision 20-Jun-2000 #text_change 20-Jun-2000

C;Accession: A01427

R;Bodenmuller, H.; Schaller, H.C.

Nature 293, 579-580, 1981

A;Title: Conserved amino acid sequence of a neuropeptide, the head activator, from coelenterates to humans.

A;Reference number: A93266; MUID:82035850; PMID:7290191

A;Accession: A01427

A;Molecule type: protein

A;Residues: 1-11 <BOD>

R;Birr, C.; Zachmann, B.; Bodenmuller, H.; Schaller, H.C.

FEBS Lett. 131, 317-321, 1981

A;Title: Synthesis of a new neuropeptide, the head activator from hydra.

A;Reference number: A91296; MUID:82050803; PMID:7297679

A;Contents: annotation; synthesis

A;Note: the synthetic peptide was identical with the natural peptide in chemical structure and biological activity

C;Comment: This peptide was first isolated from nerve cells of hydra and was called head activator by the authors, because it induced head-specific growth and differentiation in this animal. It has been found in mammalian intestine and hypothalamus.

C;Superfamily: unassigned animal peptides
C;Keywords: growth factor; hormone; hypothalamus; intestine; neuropeptide;
pyroglutamic acid
F;1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 L 4
|
Db 10 L 10

RESULT 74

YHHU

morphogenetic neuropeptide - human

C;Species: Homo sapiens (man)

C;Date: 20-Jun-2000 #sequence_revision 20-Jun-2000 #text_change 20-Jun-2000

C;Accession: B01427; A01427

R;Bodenmuller, H.; Schaller, H.C.

Nature 293, 579-580, 1981

A;Title: Conserved amino acid sequence of a neuropeptide, the head activator, from coelenterates to humans.

A;Reference number: A93266; MUID:82035850; PMID:7290191

A;Accession: B01427

A;Molecule type: protein

A;Residues: 1-11 <BOD>

R;Birr, C.; Zachmann, B.; Bodenmuller, H.; Schaller, H.C.

FEBS Lett. 131, 317-321, 1981

A;Title: Synthesis of a new neuropeptide, the head activator from hydra.

A;Reference number: A91296; MUID:82050803; PMID:7297679

A;Contents: annotation; synthesis

A;Note: the synthetic peptide was identical with the natural peptide in chemical structure and biological activity

C;Comment: This peptide was first isolated from nerve cells of hydra and was called head activator because it induced head-specific growth and differentiation in this animal. It has been found in mammalian intestine and hypothalamus.

C;Superfamily: unassigned animal peptides

C;Keywords: blocked amino end; growth factor; hormone; hypothalamus; intestine; neuropeptide

F;1/Modified site: blocked amino end (Gln) (probably pyrrolidone carboxylic acid) #status experimental

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 L 4
|
Db 10 L 10

RESULT 75

YHBO

morphogenetic neuropeptide - bovine

C;Species: Bos primigenius taurus (cattle)
C;Date: 20-Jun-2000 #sequence_revision 20-Jun-2000 #text_change 20-Jun-2000
C;Accession: C01427; A01427
R;Bodenmuller, H.; Schaller, H.C.
Nature 293, 579-580, 1981
A;Title: Conserved amino acid sequence of a neuropeptide, the head activator, from coelenterates to humans.
A;Reference number: A93266; MUID:82035850; PMID:7290191
A;Accession: C01427
A;Molecule type: protein
A;Residues: 1-11 <BOD>
R;Birr, C.; Zachmann, B.; Bodenmuller, H.; Schaller, H.C.
FEBS Lett. 131, 317-321, 1981
A;Title: Synthesis of a new neuropeptide, the head activator from hydra.
A;Reference number: A91296; MUID:82050803; PMID:7297679
A;Contents: annotation; synthesis
A;Note: the synthetic peptide was identical with the natural peptide in chemical structure and biological activity
C;Comment: This peptide was first isolated from nerve cells of hydra and was called head activator because it induced head-specific growth and differentiation in this animal. It has been found in mammalian intestine and hypothalamus.
C;Superfamily: unassigned animal peptides
C;Keywords: blocked amino end; growth factor; hormone; hypothalamus; intestine; neuropeptide
F;1/Modified site: blocked amino end (Gln) (probably pyrrolidone carboxylic acid) #status experimental

Query Match 9.1%; Score 1; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 L 4
 |
Db 10 L 10

Search completed: April 8, 2004, 15:49:25
Job time : 9.61538 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 8, 2004, 15:30:07 ; Search time 5.15385 Seconds
(without alignments)
111.135 Million cell updates/sec

Title: US-09-787-443A-3

Perfect score: 11

Sequence: 1 ARALNWGAKPK 11

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 141681 seqs, 52070155 residues

Word size : 0

Total number of hits satisfying chosen parameters: 70

Minimum DB seq length: 11

Maximum DB seq length: 11

Post-processing: Listing first 100 summaries

Database : SwissProt_42:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

%

Result No.	Score	Query Match Length	DB ID	Description
1	3	27.3	11 1 RS30_ONCMY	P83328 oncorhynchus
2	2	18.2	11 1 BPPB_AGKHA	P01021 agkistrodon
3	2	18.2	11 1 CA21_LITCI	P82087 litoria cit
4	2	18.2	11 1 CA22_LITCI	P82088 litoria cit
5	2	18.2	11 1 CSI5_BACSU	P81095 bacillus su
6	2	18.2	11 1 ES1_RAT	P56571 rattus norv
7	2	18.2	11 1 FAR6_PENMO	P83321 penaeus mon
8	2	18.2	11 1 LPW_THETH	P05624 thermus the
9	2	18.2	11 1 MHBI_KLEPN	P80580 klebsiella
10	2	18.2	11 1 NUHM_CANFA	P49820 canis famil
11	2	18.2	11 1 OAIF_SARBU	P83518 sarcophaga
12	2	18.2	11 1 PVK1_PERAM	P41837 periplaneta
13	2	18.2	11 1 Q2OA_COMTE	P80464 comamonas t
14	2	18.2	11 1 RRPL_CHAV	P13179 chandipura
15	2	18.2	11 1 TKN2_UPERU	P08616 uperoleia r
16	2	18.2	11 1 TKNA_GADMO	P28498 gadus morhu
17	2	18.2	11 1 TKNA_HORSE	P01290 equus cabal

18	2	18.2	11	1	TKNA_ONCMY	P28499 oncorhynchus
19	2	18.2	11	1	TKNA_RANCA	P22688 rana catesbeiana
20	2	18.2	11	1	TKNA_RANRI	P29207 rana ridibunda
21	2	18.2	11	1	TKNA_SCYCA	P41333 scyliorhinus
22	2	18.2	11	1	TKND_RANCA	P22691 rana catesbeiana
23	2	18.2	11	1	ULAG_HUMAN	P31933 homo sapiens
24	2	18.2	11	1	UXB2_YEAST	P99013 saccharomyces
25	1	9.1	11	1	ANGT_CRIGE	P09037 crinia georgia
26	1	9.1	11	1	ASL1_BACSE	P83146 bacteroides
27	1	9.1	11	1	ASL2_BACSE	P83147 bacteroides
28	1	9.1	11	1	BPP3_BOTIN	P30423 bothrops innoxius
29	1	9.1	11	1	BPP4_BOTIN	P30424 bothrops innoxius
30	1	9.1	11	1	BPP_AGKHP	P04562 agkistrodon
31	1	9.1	11	1	BRK_MEGFL	P12797 megascolia
32	1	9.1	11	1	CA31_LITCI	P82089 litoria citrina
33	1	9.1	11	1	CA32_LITCI	P82090 litoria citrina
34	1	9.1	11	1	CA41_LITCI	P82091 litoria citrina
35	1	9.1	11	1	CA42_LITCI	P82092 litoria citrina
36	1	9.1	11	1	CEP1_ACHFU	P22790 achatina fulica
37	1	9.1	11	1	CORZ_PERAM	P11496 periplaneta americana
38	1	9.1	11	1	COXA_CANFA	P99501 canis familiaris
39	1	9.1	11	1	CX5A_CONAL	P58848 conus aulicus
40	1	9.1	11	1	CX5B_CONAL	P58849 conus aulicus
41	1	9.1	11	1	CXL1_CONMR	P58807 conus marmoreus
42	1	9.1	11	1	EFG_CLOPA	P81350 clostridium
43	1	9.1	11	1	FAR9_CALVO	P41864 calliphora vomitoria
44	1	9.1	11	1	HS70_PINPS	P81672 pinus pinaster
45	1	9.1	11	1	LADD_ONCMY	P81018 oncorhynchus keta
46	1	9.1	11	1	LSK1_LEUMA	P04428 leucophaea
47	1	9.1	11	1	LSKP_PERAM	P36885 periplaneta americana
48	1	9.1	11	1	MLG_THETS	P41989 theromyzon
49	1	9.1	11	1	MORN_HUMAN	P01163 homo sapiens
50	1	9.1	11	1	NXSN_PSETE	P59072 pseudonaja
51	1	9.1	11	1	PKC1_CARMO	P82684 carausius maritimus
52	1	9.1	11	1	PQQC_PSEFL	P55173 pseudomonas
53	1	9.1	11	1	RANC_RANPI	P08951 rana pipiens
54	1	9.1	11	1	RE41_LITRU	P82074 litoria rubra
55	1	9.1	11	1	RR2_CONAM	P42341 conopholis
56	1	9.1	11	1	T2P1_PROVU	P31031 proteus vulgaris
57	1	9.1	11	1	TIN1_HOPTI	P82651 hoplobatrachus
58	1	9.1	11	1	TIN4_HOPTI	P82654 hoplobatrachus
59	1	9.1	11	1	TKC2_CALVO	P41518 calliphora vomitoria
60	1	9.1	11	1	TKN1_PSEGU	P42986 pseudophryne
61	1	9.1	11	1	TKN1_UPEIN	P82026 uperoleia intermedia
62	1	9.1	11	1	TKN1_UPERU	P08612 uperoleia regularis
63	1	9.1	11	1	TKN2_PSEGU	P42987 pseudophryne
64	1	9.1	11	1	TKN3_PSEGU	P42988 pseudophryne
65	1	9.1	11	1	TKN4_PSEGU	P42989 pseudophryne
66	1	9.1	11	1	TKN5_PSEGU	P42990 pseudophryne
67	1	9.1	11	1	TKNA_CHICK	P19850 gallus gallus
68	1	9.1	11	1	TKN_ELEMO	P01293 eleodone moschata
69	1	9.1	11	1	TKN_PHYFU	P08615 physalaemus
70	1	9.1	11	1	UF05_MOUSE	P38643 mus musculus

ALIGNMENTS

RESULT 1

RS30_ONCMY

ID RS30_ONCMY STANDARD; PRT; 11 AA.

AC P83328;

DT 28-FEB-2003 (Rel. 41, Created)

DT 28-FEB-2003 (Rel. 41, Last sequence update)

DT 10-OCT-2003 (Rel. 42, Last annotation update)

DE 40S ribosomal protein S30 (Fragment).

GN FAU.

OS Oncorhynchus mykiss (Rainbow trout) (*Salmo gairdneri*).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Actinopterygii; Neopterygii; Teleostei; Euteleostei;

OC Protacanthopterygii; Salmoniformes; Salmonidae; Oncorhynchus.

OX NCBI_TaxID=8022;

RN [1]

RP SEQUENCE, FUNCTION, AND MASS SPECTROMETRY.

RC TISSUE=Skin mucus;

RX MEDLINE=22142142; PubMed=12147245;

RA Fernandes J.M.O., Smith V.J.;

RT "A novel antimicrobial function for a ribosomal peptide from rainbow trout skin.";

RL Biochem. Biophys. Res. Commun. 296:167-171(2002).

CC -!- FUNCTION: Has antibacterial activity against Gram-positive bacteria.

CC -!- MASS SPECTROMETRY: MW=6676.6; METHOD=MALDI.

CC -!- SIMILARITY: Belongs to the S30E family of ribosomal proteins.

KW Ribosomal protein; Antibiotic.

FT NON_TER 11 11

SQ SEQUENCE 11 AA; 1123 MW; 2312AB630DD735B8 CRC64;

Query Match 27.3%; Score 3; DB 1; Length 11;

Best Local Similarity 100.0%; Pred. No. 1.5e+03;

Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARA 3
|||
Db 7 ARA 9

RESULT 2

BPPB_AGKHA

ID BPPB_AGKHA STANDARD; PRT; 11 AA.

AC P01021;

DT 21-JUL-1986 (Rel. 01, Created)

DT 01-FEB-1994 (Rel. 28, Last sequence update)

DT 28-FEB-2003 (Rel. 41, Last annotation update)

DE Bradykinin-potentiating peptide B (Angiotensin-converting enzyme inhibitor).

OS Agkistrodon halys blomhoffi (Mamushi) (*Gloydius blomhoffii*).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Lepidosauria; Squamata; Scleroglossa; Serpentes; Colubroidea;

OC Viperidae; Crotalinae; *Gloydius*.

OX NCBI_TaxID=242054;

RN [1]

RP SEQUENCE.

RC TISSUE=Venom;

RA Kato H., Suzuki T.;
 RT "Amino acid sequence of bradykinin-potentiating peptide isolated from
 RT the venom of Agkistrodon halys blomhoffii.";
 RL Proc. Jpn. Acad., B, Phys. Biol. Sci. 46:176-181(1970).
 CC -!-- FUNCTION: This peptide both inhibits the activity of the
 CC angiotensin-converting enzyme and enhances the action of
 CC bradykinin by inhibiting the kinases that inactivate it.
 CC It acts as an indirect hypotensive agent.
 DR PIR; A01254; XASNBA.
 KW Hypotensive agent; Pyrrolidone carboxylic acid.
 FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
 SQ SEQUENCE 11 AA; 1199 MW; 295CBF0627741777 CRC64;

 Query Match 18.2%; Score 2; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1.6e+04;
 Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 Qy 10 PK 11
 ||
 Db 7 PK 8

RESULT 3
 CA21_LITCI
 ID CA21_LITCI STANDARD; PRT; 11 AA.
 AC P82087;
 DT 16-OCT-2001 (Rel. 40, Created)
 DT 16-OCT-2001 (Rel. 40, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 DE Caerulein 2.1/2.1Y4.
 OS Litoria citropa (Australian blue mountains tree frog).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Hylidae;
 OC Pelodryadinae; Litoria.
 OX NCBI_TaxID=94770;
 RN [1]
 RP SEQUENCE, AND MASS SPECTROMETRY.
 RC TISSUE=Skin secretion;
 RX MEDLINE=20057701; PubMed=10589099;
 RA Wabnitz P.A., Bowie J.H., Tyler M.J.;
 RT "Caerulein-like peptides from the skin glands of the Australian blue
 RT montains tree frog Litoria citropa. Part 1. Sequence determination
 RT using electrospray mass spectrometry.";
 RL Rapid Commun. Mass Spectrom. 13:2498-2502(1999).
 CC -!-- FUNCTION: Hypotensive neuropeptide (Probable).
 CC -!-- SUBCELLULAR LOCATION: Secreted.
 CC -!-- TISSUE SPECIFICITY: Skin dorsal glands.
 CC -!-- PTM: Isoform 2.1Y4 differs from isoform 2.1 in not being
 CC sulfated.
 CC -!-- MASS SPECTROMETRY: MW=1372; METHOD=Electrospray.
 CC -!-- SIMILARITY: Belongs to the gastrin/cholecystokinin family.
 DR InterPro; IPR001651; Gastrin.
 DR PROSITE; PS00259; GASTRIN; FALSE_NEG.
 KW Amphibian defense peptide; Hypotensive agent; Amidation; Sulfation;
 KW Pyrrolidone carboxylic acid.
 FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
 FT MOD_RES 4 4 SULFATION.

FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1312 MW; 10DAB7C4EDD861BB CRC64;
Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 6 GA 7

RESULT 4
CA22_LITCI
ID CA22_LITCI STANDARD; PRT; 11 AA.
AC P82088;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Caerulein 2.2/2.2Y4.
OS Litoria citropa (Australian blue mountains tree frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Hylidae;
OC Pelodryadinae; Litoria.
OX NCBI_TaxID=94770;
RN [1]
RP SEQUENCE, AND MASS SPECTROMETRY.
RC TISSUE=Skin secretion;
RX MEDLINE=20057701; PubMed=10589099;
RA Wabnitz P.A., Bowie J.H., Tyler M.J.;
RT "Caerulein-like peptides from the skin glands of the Australian blue
RT montains tree frog Litoria citropa. Part 1. Sequence determination
RT using electrospray mass spectrometry.";
RL Rapid Commun. Mass Spectrom. 13:2498-2502(1999).
CC -!- FUNCTION: Hypotensive neuropeptide (Probable).
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Skin dorsal glands.
CC -!- PTM: Isoform 2.2Y4 differs from isoform 2.2 in not being
CC sulfated.
CC -!- MASS SPECTROMETRY: MW=1388; METHOD=Electrospray.
CC -!- SIMILARITY: Belongs to the gastrin/cholecystokinin family.
DR InterPro; IPR001651; Gastrin.
DR PROSITE; PS00259; GASTRIN; FALSE_NEG.
KW Amphibian defense peptide; Hypotensive agent; Amidation; Sulfation;
KW Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
FT MOD_RES 4 4 SULFATION.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1328 MW; 10DAB894EDD861BB CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 6 GA 7

RESULT 5

CSI5_BACSU

ID CSI5_BACSU STANDARD; PRT; 11 AA.

AC P81095;

DT 15-JUL-1998 (Rel. 36, Created)

DT 15-JUL-1998 (Rel. 36, Last sequence update)

DT 28-FEB-2003 (Rel. 41, Last annotation update)

DE Cold shock protein CSI5 (11 kDa cold shock protein) (Fragment).

OS Bacillus subtilis.

OC Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillus.

OX NCBI_TaxID=1423;

RN [1]

RP SEQUENCE.

RC STRAIN=168 / JH642;

RA Graumann P.L., Schmid R., Marahiel M.A.;

RL Submitted (OCT-1997) to Swiss-Prot.

RN [2]

RP CHARACTERIZATION.

RC STRAIN=168 / JH642;

RX MEDLINE=96345629; PubMed=8755892;

RA Graumann P., Schroeder K., Schmid R., Marahiel M.A.;

RT "Cold shock stress-induced proteins in Bacillus subtilis.";

RL J. Bacteriol. 178:4611-4619(1996).

CC -!-- SUBCELLULAR LOCATION: Cytoplasmic.

CC -!-- INDUCTION: In response to low temperature.

CC -!-- CAUTION: Could not be found in the genome of B.subtilis 168.

FT NON_TER 11 11

SQ SEQUENCE 11 AA; 1360 MW; 15F6ECEE6322C330 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;

Best Local Similarity 100.0%; Pred. No. 1.6e+04;

Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 LN 5
||
Db 10 LN 11

RESULT 6

ES1_RAT

ID ES1_RAT STANDARD; PRT; 11 AA.

AC P56571;

DT 15-DEC-1998 (Rel. 37, Created)

DT 15-DEC-1998 (Rel. 37, Last sequence update)

DT 15-MAR-2004 (Rel. 43, Last annotation update)

DE ES1 protein, mitochondrial (Fragment).

OS Rattus norvegicus (Rat).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.

OX NCBI_TaxID=10116;

RN [1]

RP SEQUENCE.

RC STRAIN=Wistar; TISSUE=Heart;

RA Li X.-P., Pleissner K.-P., Scheler C., Regitz-Zagrosek V., Salikov J.,
RA Jungblut P.R.;

RL Submitted (SEP-1998) to Swiss-Prot.
CC -!- SUBCELLULAR LOCATION: Mitochondrial (Potential).
CC -!- MISCELLANEOUS: By 2D-PAGE, the determined pI of this protein (spot
CC P2) is: 8.9, its MW is: 25 kDa.
CC -!- SIMILARITY: BELONGS TO THE ES1 FAMILY.
KW Mitochondrion.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1142 MW; D862272D32C72DC2 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RA 3
||
Db 1 RA 2

RESULT 7
FAR6_PENMO
ID FAR6_PENMO STANDARD; PRT; 11 AA.
AC P83321;
DT 28-FEB-2003 (Rel. 41, Created)
DT 28-FEB-2003 (Rel. 41, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE FMRFamide-like neuropeptide FLP6 (DGRTPALARLF-amide).
OS Penaeus monodon (Penoeid shrimp).
OC Eukaryota; Metazoa; Arthropoda; Crustacea; Malacostraca;
OC Eumalacostraca; Eucarida; Decapoda; Dendrobranchiata; Penaeoidea;
OC Penaeidae; Penaeus.
OX NCBI_TaxID=6687;
RN [1]
RP SEQUENCE, AND MASS SPECTROMETRY.
RC TISSUE=Eyestalk;
RX MEDLINE=21956277; PubMed=11959015;
RA Sithigorngul P., Pupuem J., Krungkasem C., Longyant S.,
RA Chaivisuthangkura P., Sithigorngul W., Petsom A.;
RT "Seven novel FMRFamide-like neuropeptide sequences from the eyestalk
RT of the giant tiger prawn Penaeus monodon.";
RL Comp. Biochem. Physiol. 131B:325-337(2002).
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- MASS SPECTROMETRY: MW=1301.8; METHOD=MALDI.
CC -!- SIMILARITY: Belongs to the FARP (FMRFamide related peptide)
CC family.
DR GO; GO:0007218; P:neuropeptide signaling pathway; TAS.
KW Neuropeptide; Amidation.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1301 MW; 9A19C860072DC771 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 6 AL 7

RESULT 8

LPW_THETH

ID LPW_THETH STANDARD; PRT; 11 AA.

AC P05624;

DT 01-NOV-1988 (Rel. 09, Created)

DT 01-NOV-1988 (Rel. 09, Last sequence update)

DT 30-MAY-2000 (Rel. 39, Last annotation update)

DE Trp operon leader peptide.

GN TRPL.

OS Thermus thermophilus.

OC Bacteria; Deinococcus-Thermus; Deinococci; Thermales; Thermaceae;

OC Thermus.

OX NCBI_TaxID=274;

RN [1]

RP SEQUENCE FROM N.A.

RC STRAIN=HB8 / ATCC 27634;

RX MEDLINE=89000781; PubMed=2844259;

RA Sato S., Nakada Y., Kanaya S., Tanaka T.;

RT "Molecular cloning and nucleotide sequence of Thermus thermophilus HB8 trpE and trpG.";

RL Biochim. Biophys. Acta 950:303-312(1988).

CC -!- FUNCTION: THIS PROTEIN IS INVOLVED IN CONTROL OF THE BIOSYNTHESIS OF TRYPTOPHAN.

CC -----

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CC -----

DR EMBL; X07744; CAA30565.1; -.

KW Tryptophan biosynthesis; Leader peptide.

SQ SEQUENCE 11 AA; 1228 MW; 364B295A772DC5A7 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 2 AL 3

RESULT 9

MHBI_KLEPN

ID MHBI_KLEPN STANDARD; PRT; 11 AA.

AC P80580;

DT 01-OCT-1996 (Rel. 34, Created)

DT 01-OCT-1996 (Rel. 34, Last sequence update)

DT 01-NOV-1997 (Rel. 35, Last annotation update)

DE Maleylpyruvate isomerase (EC 5.2.1.4) (Fragment).

GN MHBI.

OS Klebsiella pneumoniae.

OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;

OC Enterobacteriaceae; Klebsiella.
 OX NCBI_TaxID=573;
 RN [1]
 RP SEQUENCE.
 RX MEDLINE=96349117; PubMed=8760924;
 RA Robson N.D., Parrott S., Cooper R.A.;
 RT "In vitro formation of a catabolic plasmid carrying Klebsiella pneumoniae DNA that allows growth of Escherichia coli K-12 on 3-hydroxybenzoate.";
 RL Microbiology 142:2115-2120(1996).
 CC -!- CATALYTIC ACTIVITY: 3-maleylpyruvate = 3-fumarylpyruvate.
 KW Isomerase.
 FT NON_TER 11 11
 SQ SEQUENCE 11 AA; 1387 MW; 1EE0E2DD49C9D5AB CRC64;

 Query Match 18.2%; Score 2; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1.6e+04;
 Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 Qy 2 RA 3
 ||
 Db 10 RA 11

RESULT 10
 NUHM_CANFA
 ID NUHM_CANFA STANDARD; PRT; 11 AA.
 AC P49820;
 DT 01-OCT-1996 (Rel. 34, Created)
 DT 15-JUL-1998 (Rel. 36, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 DE NADH-ubiquinone oxidoreductase 24 kDa subunit (EC 1.6.5.3)
 DE (EC 1.6.99.3) (Fragment).
 GN NDUFV2.
 OS Canis familiaris (Dog).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.
 OX NCBI_TaxID=9615;
 RN [1]
 RP SEQUENCE.
 RC TISSUE=Heart;
 RX MEDLINE=98163340; PubMed=9504812;
 RA Dunn M.J., Corbett J.M., Wheeler C.H.;
 RT "HSC-2DPAGE and the two-dimensional gel electrophoresis database of dog heart proteins.";
 RL Electrophoresis 18:2795-2802(1997).
 CC -!- FUNCTION: TRANSFER OF ELECTRONS FROM NADH TO THE RESPIRATORY CHAIN. THE IMMEDIATE ELECTRON ACCEPTOR FOR THE ENZYME IS BELIEVED TO BE UBIQUINONE. COMPONENT OF THE FLAVOPROTEIN-SULFUR (FP) FRAGMENT OF THE ENZYME.
 CC -!- CATALYTIC ACTIVITY: NADH + ubiquinone = NAD(+) + ubiquinol.
 CC -!- CATALYTIC ACTIVITY: NADH + acceptor = NAD(+) + reduced acceptor.
 CC -!- COFACTOR: Binds 1 2Fe-2S cluster (Potential).
 CC -!- SUBUNIT: Mammalian complex I is composed of 45 different subunits.
 CC -!- SUBCELLULAR LOCATION: Matrix and cytoplasmic side of the mitochondrial inner membrane.
 CC -!- SIMILARITY: Belongs to the complex I 24 kDa subunit family.

DR HSC-2DPAGE; P49820; DOG.
DR InterPro; IPR002023; Cmplx1_24kDa.
DR PROSITE; PS01099; COMPLEX1_24K; PARTIAL.
KW Oxidoreductase; NAD; Ubiquinone; Mitochondrion; Metal-binding;
KW Iron-sulfur; Iron; 2Fe-2S.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1099 MW; 267F5369C9C72DD8 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 1 GA 2

RESULT 11
OAIF_SARBU
ID OAIF_SARBU STANDARD; PRT; 11 AA.
AC P83518;
DT 10-OCT-2003 (Rel. 42, Created)
DT 10-OCT-2003 (Rel. 42, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Ovary-derived ACE interactive factor (Neb-ODAIF) [Contains: Neb-
DE ODAIF(1-9); Neb-ODAIF(1-7)].
OS Sarcophaga bullata (Grey flesh fly) (Neobellieria bullata).
OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
OC Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Oestroidea;
OC Sarcophagidae; Sarcophaga.
OX NCBI_TaxID=7385;
RN [1]
RP SEQUENCE, SYNTHESIS, CHARACTERIZATION, AND MASS SPECTROMETRY.
RC TISSUE=Ovary;
RX MEDLINE=22272747; PubMed=12383874;
RA Vandingen A., Hens K., Baggerman G., Macours N., Schoofs L.,
RA De Loof A., Huybrechts R.;
RT "Isolation and characterization of an angiotensin converting enzyme
RT substrate from vitellogenic ovaries of Neobellieria bullata.";
RL Peptides 23:1853-1863(2002).
CC -!-- FUNCTION: Substrate for angiotensin converting enzyme (ACE) in
CC vitro.
CC -!-- PTM: ACE hydrolyzes Neb-ODAIF by sequentially cleaving off two C-
CC terminal dipeptides.
CC -!-- MASS SPECTROMETRY: MW=1312.7; METHOD=MALDI; RANGE=1-11.
CC -!-- SIMILARITY: To the N-terminal part of insect vitellogenins.
FT PEPTIDE 1 11 NEB-ODAIF.
FT PEPTIDE 1 9 NEB-ODAIF(1-9).
FT PEPTIDE 1 7 NEB-ODAIF(1-7).
SQ SEQUENCE 11 AA; 1314 MW; 4E114BB566C5A763 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||

Db

4 KP 5

RESULT 12

PVK1_PERAM

ID PVK1_PERAM STANDARD; PRT; 11 AA.

AC P41837;

DT 01-NOV-1995 (Rel. 32, Created)

DT 01-NOV-1995 (Rel. 32, Last sequence update)

DT 16-OCT-2001 (Rel. 40, Last annotation update)

DE Periviscerokinin-1 (Pea-PVK-1).

OS Periplaneta americana (American cockroach).

OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;

OC Neoptera; Orthopteroidea; Dictyoptera; Blattaria; Blattoidea;

OC Blattidae; Periplaneta.

OX NCBI_TaxID=6978;

RN [1]

RP SEQUENCE, AND SYNTHESIS.

RC TISSUE=Abdominal perisynthetic organs;

RX MEDLINE=95232021; PubMed=7716075;

RA Predel R., Linde D., Rapus J., Vettermann S., Penzlin H.;

RT "Periviscerokinin (Pea-PVK): a novel myotropic neuropeptide from the perisynthetic organs of the American cockroach.";

RL Peptides 16:61-66(1995).

CC -!- FUNCTION: MYOACTIVE PEPTIDE; HAS EXCITORY ACTIONS ON THE HYPERNEURAL MUSCLE.

KW Neuropeptide; Amidation.

FT MOD_RES 11 11 AMIDATION.

SQ SEQUENCE 11 AA; 1114 MW; 39DB5419D7605728 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8

||

Db 1 GA 2

RESULT 13

Q2OA_COMTE

ID Q2OA_COMTE STANDARD; PRT; 11 AA.

AC P80464;

DT 01-NOV-1995 (Rel. 32, Created)

DT 01-NOV-1995 (Rel. 32, Last sequence update)

DT 16-OCT-2001 (Rel. 40, Last annotation update)

DE Quinoline 2-oxidoreductase, alpha chain (EC 1.3.99.17) (Fragment).

OS Comamonas testosteroni (Pseudomonas testosteroni).

OC Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales;

OC Comamonadaceae; Comamonas.

OX NCBI_TaxID=285;

RN [1]

RP SEQUENCE.

RC STRAIN=63;

RX MEDLINE=96035889; PubMed=7556204;

RA Schach S., Tshisuaka B., Fetzner S., Lingens F.;

RT "Quinoline 2-oxidoreductase and 2-oxo-1,2-dihydroquinoline 5,6-

RT dioxygenase from Comamonas testosteroni 63. The first two enzymes in
RT quinoline and 3-methylquinoline degradation.";
RL Eur. J. Biochem. 232:536-544(1995).
CC -!- FUNCTION: Converts (3-methyl)-quinoline to (3-methyl)-2-oxo-
CC 1,2-dihydroquinoline.
CC -!- CATALYTIC ACTIVITY: Quinoline + acceptor + H(2)O = isoquinolin-
CC 1(2H)-one + reduced acceptor.
CC -!- COFACTOR: FAD, molybdenum and iron-sulfur.
CC -!- PATHWAY: Degradation of quinoline and (3-methyl-)quinoline; first
CC step.
CC -!- SUBUNIT: Heterohexamer of two alpha chains, two beta chains, and
CC two gamma chains (Probable).
DR PIR; S66606; S66606.
KW Oxidoreductase; Flavoprotein; FAD; Molybdenum.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1213 MW; 869094322B1DC2CA CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 1 AK 2

RESULT 14
RRPL_CHAV
ID RRPL_CHAV STANDARD; PRT; 11 AA.
AC P13179;
DT 01-JAN-1990 (Rel. 13, Created)
DT 01-JAN-1990 (Rel. 13, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE RNA polymerase beta subunit (EC 2.7.7.48) (Large structural protein)
DE (L protein) (Fragment).
GN L.
OS Chandipura virus (strain I653514).
OC Viruses; ssRNA negative-strand viruses; Mononegavirales;
OC Rhabdoviridae; Vesiculovirus.
OX NCBI_TaxID=11273;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=89299473; PubMed=2741347;
RA Masters P.S., Bhella R.S., Butcher M., Patel B., Ghosh H.P.,
RA Banerjee A.K.;
RT "Structure and expression of the glycoprotein gene of Chandipura
RT virus.";
RL Virology 171:285-290(1989).
CC -!- FUNCTION: THIS PROTEIN IS PROBABLY A COMPONENT OF THE ACTIVE
CC POLYMERASE. IT MAY FUNCTION IN RNA SYNTHESIS, CAPPING, AS WELL AS
CC METHYLATION OF CAPS, AND POLY(A) SYNTHESIS.
CC -!- CATALYTIC ACTIVITY: N nucleoside triphosphate = N diphosphate +
CC {RNA}(N).
CC -!- SUBUNIT: THOUGHT TO FORM A TRANSCRIPTION COMPLEX WITH THE
CC NUCLEOCAPSID (N) PROTEIN.
CC -!- SIMILARITY: WITH THE L PROTEIN OF OTHER RHABDOVIRUSES AND
CC PARAMYXOVIRUSES.

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DR EMBL; J04350; AAA42917.1; -.

KW Transferase; RNA-directed RNA polymerase.

FT NON_TER 11 11

SQ SEQUENCE 11 AA; 1189 MW; 0335D6E3AAB2D764 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 LN 5
||
Db 3 LN 4

RESULT 15

TKN2_UPERU

ID TKN2_UPERU STANDARD; PRT; 11 AA.

AC P08616;

DT 01-AUG-1988 (Rel. 08, Created)

DT 01-FEB-1994 (Rel. 28, Last sequence update)

DT 10-OCT-2003 (Rel. 42, Last annotation update)

DE Rugosauperolein II ([Lys5,Thr6]physalaemin).

OS Uporeoleia rugosa (Wrinkled toadlet).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Myobatrachidae;

OC Myobatrachinae; Uporeoleia.

OX NCBI_TaxID=8368;

RN [1]

RP SEQUENCE.

RC TISSUE=Skin secretion;

RX MEDLINE=80223080; PubMed=7389029;

RA Nakajima T., Yasuhara T., Erspamer V., Erspamer G.F., Negri L.;

RT "Physalaemin- and bombesin-like peptides in the skin of the

RT Australian leptodactylid frog Uporeoleia rugosa.";

RL Chem. Pharm. Bull. 28:689-695(1980).

CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles.

CC -!- SUBCELLULAR LOCATION: Secreted.

CC -!- TISSUE SPECIFICITY: Skin.

CC -!- SIMILARITY: Belongs to the tachykinin family.

DR InterPro; IPR002040; Tachy_Neurokinin.

DR Pfam; PF02202; Tachykinin; 1.

DR PROSITE; PS00267; TACHYKININ; 1.

KW Amphibian defense peptide; Tachykinin; Neuropeptide; Amidation;

KW Pyrrolidone carboxylic acid.

FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.

FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1270 MW; 3293693E59D1A327 CRC64;
Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 4 PK 5

RESULT 16

TKNA_GADMO
ID TKNA_GADMO STANDARD; PRT; 11 AA.
AC P28498;
DT 01-DEC-1992 (Rel. 24, Created)
DT 01-DEC-1992 (Rel. 24, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Substance P.
OS Gadus morhua (Atlantic cod).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
OC Acanthomorpha; Paracanthopterygii; Gadiformes; Gadidae; Gadus.
OX NCBI_TaxID=8049;
RN [1]
RP SEQUENCE.
RC TISSUE=Brain;
RX MEDLINE=92298992; PubMed=1376687;
RA Jensen J., Conlon J.M.;
RT "Substance-P-related and neurokinin-A-related peptides from the brain
of the cod and trout.";
RL Eur. J. Biochem. 206:659-664(1992).
CC -!-- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles.
CC -!-- SUBCELLULAR LOCATION: Secreted.
CC -!-- SIMILARITY: Belongs to the tachykinin family.
DR PIR; S23306; S23306.
DR InterPro; IPR002040; Tachy_Neurokinin.
DR InterPro; IPR008215; Tachykinin.
DR Pfam; PF02202; Tachykinin; 1.
DR SMART; SM00203; TK; 1.
DR PROSITE; PS00267; TACHYKININ; 1.
KW Tachykinin; Neuropeptide; Amidation; Neurotransmitter.
FT MOD_RES 11 11 AMIDATION (BY SIMILARITY).
SQ SEQUENCE 11 AA; 1315 MW; 214860D759D6C6C7 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 1 KP 2

RESULT 17

TKNA_HORSE

ID TKNA_HORSE STANDARD; PRT; 11 AA.

AC P01290;

DT 21-JUL-1986 (Rel. 01, Created)

DT 21-JUL-1986 (Rel. 01, Last sequence update)

DT 10-OCT-2003 (Rel. 42, Last annotation update)

DE Substance P.

GN TAC1 OR NKNA OR TAC2 OR NKA.

OS Equus caballus (Horse), and

OS Cavia porcellus (Guinea pig).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Perissodactyla; Equidae; Equus.

OX NCBI_TaxID=9796, 10141;

RN [1]

RP SEQUENCE.

RC SPECIES=Horse;

RA Studer R.O., Trzeciak A., Lergier W.;

RT "Isolation and amino-acid sequence of substance P from horse intestine.";

RL Helv. Chim. Acta 56:860-866(1973).

RN [2]

RP SEQUENCE.

RC SPECIES=C.porcellus;

RX MEDLINE=90044685; PubMed=2478925;

RA Murphy R.;

RT "Primary amino acid sequence of guinea-pig substance P.";

RL Neuropeptides 14:105-110(1989).

CC -!- FUNCTION: Tachykinins are active peptides which excite neurons, evoke behavioral responses, are potent vasodilators and secretagogues, and contract (directly or indirectly) many smooth muscles.

CC -!- SUBCELLULAR LOCATION: Secreted.

CC -!- SIMILARITY: Belongs to the tachykinin family.

DR PIR; A01558; SPHO.

DR PIR; A60654; A60654.

DR InterPro; IPR002040; Tachy_Neurokinin.

DR InterPro; IPR008215; Tachykinin.

DR Pfam; PF02202; Tachykinin; 1.

DR SMART; SM00203; TK; 1.

DR PROSITE; PS00267; TACHYKININ; 1.

KW Tachykinin; Neuropeptide; Amidation; Neurotransmitter.

FT MOD_RES 11 11 AMIDATION.

SQ SEQUENCE 11 AA; 1349 MW; 3E757FE3C9D6C6C7 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;

Best Local Similarity 100.0%; Pred. No. 1.6e+04;

Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 2 PK 3

RESULT 18

TKNA_ONCMY

ID TKNA_ONCMY STANDARD; PRT; 11 AA.
AC P28499;
DT 01-DEC-1992 (Rel. 24, Created)
DT 01-DEC-1992 (Rel. 24, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Substance P.
OS Oncorhynchus mykiss (Rainbow trout) (*Salmo gairdneri*).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Euteleostei;
OC Protacanthopterygii; Salmoniformes; Salmonidae; Oncorhynchus.
OX NCBI_TaxID=8022;
RN [1]
RP SEQUENCE.
RC TISSUE=Brain;
RX MEDLINE=92298992; PubMed=1376687;
RA Jensen J., Conlon J.M.;
RT "Substance-P-related and neurokinin-A-related peptides from the brain
of the cod and trout.";
RL Eur. J. Biochem. 206:659-664(1992).
CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- SIMILARITY: Belongs to the tachykinin family.
DR PIR; S23308; S23308.
DR InterPro; IPR002040; Tachy_Neurokinin.
DR InterPro; IPR008215; Tachykinin.
DR Pfam; PF02202; Tachykinin; 1.
DR SMART; SM00203; TK; 1.
DR PROSITE; PS00267; TACHYKININ; 1.
KW Tachykinin; Neuropeptide; Amidation; Neurotransmitter.
FT MOD_RES 11 11 AMIDATION (BY SIMILARITY).
SQ SEQUENCE 11 AA; 1358 MW; 214860DEC9D6D1F7 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 KP 10
||
Db 1 KP 2

RESULT 19
TKNA_RANCA
ID TKNA_RANCA STANDARD; PRT; 11 AA.
AC P22688;
DT 01-AUG-1991 (Rel. 19, Created)
DT 01-AUG-1991 (Rel. 19, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Ranatachykinin A (RTK A).
OS Rana catesbeiana (Bull frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidea; Ranidae; Rana.
OX NCBI_TaxID=8400;
RN [1]

RP SEQUENCE, AND SYNTHESIS.
RC TISSUE=Brain, and Intestine;
RX MEDLINE=91254337; PubMed=2043143;
RA Kozawa H., Hino J., Minamino N., Kangawa K., Matsuo H.;
RT "Isolation of four novel tachykinins from frog (*Rana catesbeiana*)
brain and intestine.";
RL Biochem. Biophys. Res. Commun. 177:588-595(1991).
RN [2]
RP SEQUENCE.
RC TISSUE=Intestine;
RX MEDLINE=94023216; PubMed=8210506;
RA Kangawa K., Kozawa H., Hino J., Minamino N., Matsuo H.;
RT "Four novel tachykinins in frog (*Rana catesbeiana*) brain and
intestine.";
RL Regul. Pept. 46:81-88(1993).
CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- SIMILARITY: Belongs to the tachykinin family.
DR PIR; A61033; A61033.
DR InterPro; IPR002040; Tachy_Neurokinin.
DR InterPro; IPR008215; Tachykinin.
DR Pfam; PF02202; Tachykinin; 1.
DR SMART; SM00203; TK; 1.
DR PROSITE; PS00267; TACHYKININ; 1.
KW Tachykinin; Neuropeptide; Amidation.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1311 MW; 200D60CC59D40AB7 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 1 KP 2

RESULT 20
TKNA_RANRI
ID TKNA_RANRI STANDARD; PRT; 11 AA.
AC P29207;
DT 01-DEC-1992 (Rel. 24, Created)
DT 01-DEC-1992 (Rel. 24, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Ranakinin (Substance-P-related peptide).
OS Rana ridibunda (Laughing frog) (Marsh frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidea; Ranidae; Rana.
OX NCBI_TaxID=8406;
RN [1]
RP SEQUENCE.
RC TISSUE=Brain;
RX MEDLINE=92044543; PubMed=1658233;
RA O'Harte F., Burcher E., Lovas S., Smith D.D., Vaudry H., Conlon J.M.;

RT "Ranakinin: a novel NK1 tachykinin receptor agonist isolated with
RT neurokinin B from the brain of the frog *Rana ridibunda*.";
RL J. Neurochem. 57:2086-2091(1991).
CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- SIMILARITY: Belongs to the tachykinin family.
DR InterPro; IPR002040; Tachy_Neurokinin.
DR InterPro; IPR008215; Tachykinin.
DR Pfam; PF02202; Tachykinin; 1.
DR SMART; SM00203; TK; 1.
DR PROSITE; PS00267; TACHYKININ; 1.
KW Tachykinin; Neuropeptide; Amidation.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA: 1352 MW: 3A2460CC59D40B07 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 1 KP 2

RESULT 21
TKNA_SCYCA
ID TKNA_SCYCA STANDARD; PRT; 11 AA.
AC P41333;
DT 01-FEB-1995 (Rel. 31, Created)
DT 01-FEB-1995 (Rel. 31, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Substance P.
OS Scyliorhinus canicula (Spotted dogfish) (Spotted catshark).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Chondrichthyes;
OC Elasmobranchii; Galeomorphii; Galeoidea; Carcharhiniformes;
OC Scyliorhinidae; Scyliorhinus.
OX NCBI_TaxID=7830;
RN [1]
RP SEQUENCE.
RC TISSUE=Brain;
RX MEDLINE=93292508; PubMed=7685693;
RA Waugh D., Wang Y., Hazon N., Balment R.J., Conlon J.M.;
RT "Primary structures and biological activities of substance-P-related
RT peptides from the brain of the dogfish, *Scyliorhinus canicula*.";
RL Eur. J. Biochem. 214:469-474(1993).
CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- SIMILARITY: Belongs to the tachykinin family.
DR PIR; S33300; S33300.
DR InterPro; IPR002040; Tachy_Neurokinin.
DR PROSITE; PS00267; TACHYKININ; 1.

KW Tachykinin; Neuropeptide; Amidation; Neurotransmitter.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1278 MW; 214860DEC9D6D867 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 1 KP 2

RESULT 22
TKND_RANCA
ID TKND_RANCA STANDARD; PRT; 11 AA.
AC P22691;
DT 01-AUG-1991 (Rel. 19, Created)
DT 01-AUG-1991 (Rel. 19, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Ranatachykinin D (RTK D).
OS Rana catesbeiana (Bull frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidea; Ranidae; Rana.
OX NCBI_TaxID=8400;
RN [1]
RP SEQUENCE, AND SYNTHESIS.
RC TISSUE=Intestine;
RX MEDLINE=91254337; PubMed=2043143;
RA Kozawa H., Hino J., Minamino N., Kangawa K., Matsuo H.;
RT "Isolation of four novel tachykinins from frog (Rana catesbeiana)
RT brain and intestine.";
RL Biochem. Biophys. Res. Commun. 177:588-595(1991).
RN [2]
RP SEQUENCE.
RC TISSUE=Intestine;
RX MEDLINE=94023216; PubMed=8210506;
RA Kangawa K., Kozawa H., Hino J., Minamino N., Matsuo H.;
RT "Four novel tachykinins in frog (Rana catesbeiana) brain and
RT intestine.";
RL Regul. Pept. 46:81-88(1993).
CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- SIMILARITY: Belongs to the tachykinin family.
DR PIR; D61033; D61033.
DR InterPro; IPR002040; Tachy_Neurokinin.
DR PROSITE; PS00267; TACHYKININ; FALSE_NEG.
KW Tachykinin; Neuropeptide; Amidation.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1350 MW; 3A34256C59D40B07 CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 1 KP 2

RESULT 23
ULAG_HUMAN
ID ULAG_HUMAN STANDARD; PRT; 11 AA.
AC P31933;
DT 01-JUL-1993 (Rel. 26, Created)
DT 01-JUL-1993 (Rel. 26, Last sequence update)
DT 15-MAR-2004 (Rel. 43, Last annotation update)
DE Unknown protein from 2D-page of liver tissue (Spot 118) (Fragment).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE.
RC TISSUE=Liver;
RX MEDLINE=94147969; PubMed=8313870;
RA Hughes G.J., Frutiger S., Paquet N., Pasquali C., Sanchez J.-C.,
RA Tissot J.-D., Bairoch A., Appel R.D., Hochstrasser D.F.;
RT "Human liver protein map: update 1993.";
RL Electrophoresis 14:1216-1222(1993).
CC -!- MISCELLANEOUS: On the 2D-gel the determined pI of this unknown
CC protein is: 5.5, its MW is: 34 kDa.
DR SWISS-2DPAGE; P31933; HUMAN.
DR Siena-2DPAGE; P31933; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1219 MW; EDABD37F272DDB0A CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 6 AL 7

RESULT 24
UXB2_YEAST
ID UXB2_YEAST STANDARD; PRT; 11 AA.
AC P99013;
DT 01-NOV-1995 (Rel. 32, Created)
DT 01-NOV-1995 (Rel. 32, Last sequence update)
DT 15-MAR-2004 (Rel. 43, Last annotation update)
DE Unknown protein from 2D-page (Spot 2D-000K2F) (Fragment).
OS Saccharomyces cerevisiae (Baker's yeast).
OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
OC Saccharomycetales; Saccharomycetaceae; Saccharomyces.
OX NCBI_TaxID=4932;
RN [1]
RP SEQUENCE.
RC STRAIN=X2180-1A;

RA Sanchez J.-C., Golaz O., Schaller D., Morsch F., Frutiger S.,
RA Hughes G.J., Appel R.D., Deshusses J., Hochstrasser D.F.;
RL Submitted (AUG-1995) to Swiss-Prot.
CC -!- MISCELLANEOUS: On the 2D-gel the determined pI of this unknown
CC protein is: 6.20, its MW is: 9.2 kDa.
DR SWISS-2DPAGE; P99013; YEAST.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1328 MW; EC38021C0DCB42DA CRC64;

Query Match 18.2%; Score 2; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 7 AR 8

RESULT 25
ANGT_CRIGE
ID ANGT_CRIGE STANDARD; PRT; 11 AA.
AC P09037;
DT 01-NOV-1988 (Rel. 09, Created)
DT 01-NOV-1988 (Rel. 09, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Crinia-angiotensin II.
OS Crinia georgiana (Quacking frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Myobatrachidae;
OC Myobatrachinae; Crinia.
OX NCBI_TaxID=8374;
RN [1]
RP SEQUENCE.
RC TISSUE=Skin secretion;
RX MEDLINE=80024575; PubMed=488254;
RA Erspamer V., Melchiorri P., Nakajima T., Yasuhara T., Endean R.;
RT "Amino acid composition and sequence of crinia-angiotensin, an
RT angiotensin II-like endecapeptide from the skin of the Australian
RT frog Crinia georgiana.";
RL Experientia 35:1132-1133(1979).
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Skin.
DR PIR; S07207; S07207.
KW Vasoconstrictor.
SQ SEQUENCE 11 AA; 1271 MW; 8A0921F7DB50440A CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 A 1
|
Db 1 A 1

RESULT 26
ASL1_BACSE

ID ASL1_BACSE STANDARD; PRT; 11 AA.
AC P83146;
DT 28-FEB-2003 (Rel. 41, Created)
DT 28-FEB-2003 (Rel. 41, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Acharan sulfate lyase 1 (EC 4.2.2.-) (Fragment).
OS Bacteroides stercoris.
OC Bacteria; Bacteroidetes; Bacteroides (class); Bacteroidales;
OC Bacteroidaceae; Bacteroides.
OX NCBI_TaxID=46506;
RN [1]
RP SEQUENCE, FUNCTION, ENZYME REGULATION, AND SUBUNIT.
RC STRAIN=HJ-15;
RX MEDLINE=21223019; PubMed=11322884;
RA Kim B.-T., Hong S.-W., Kim W.-S., Kim Y.S., Kim D.-H.;
RT "Purification and characterization of acharan sulfate lyases, two
RT novel heparinases, from Bacteroides stercoris HJ-15.";
RL Eur. J. Biochem. 268:2635-2641(2001).
CC -!- FUNCTION: Degrades acharan sulfate and, to a lesser extent,
CC heparin and heparan sulfate.
CC -!- ENZYME REGULATION: Inhibited by cupric ion, nitrogen and cobalt.
CC Activated by reducing agents, such as DL-dithiothreitol and 2-
CC mercaptoethanol.
CC -!- SUBUNIT: Monomer.
CC -!- PTM: The N-terminus is blocked.
CC -!- MISCELLANEOUS: Has an isoelectric point of 8.6. Its optimum pH is
CC 7.2 and optimum temperature 45 degrees Celsius.
KW Lyase; Heparin-binding.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1395 MW; 01B2DAA241E865AB CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 N 5
|
Db 1 N 1

RESULT 27

ASL2_BACSE
ID ASL2_BACSE STANDARD; PRT; 11 AA.
AC P83147;
DT 28-FEB-2003 (Rel. 41, Created)
DT 28-FEB-2003 (Rel. 41, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Acharan sulfate lyase 2 (EC 4.2.2.-) (Fragment).
OS Bacteroides stercoris.
OC Bacteria; Bacteroidetes; Bacteroides (class); Bacteroidales;
OC Bacteroidaceae; Bacteroides.
OX NCBI_TaxID=46506;
RN [1]
RP SEQUENCE, FUNCTION, ENZYME REGULATION, AND SUBUNIT.
RC STRAIN=HJ-15;
RX MEDLINE=21223019; PubMed=11322884;

RA Kim B.-T., Hong S.-W., Kim W.-S., Kim Y.S., Kim D.-H.;
RT "Purification and characterization of acharan sulfate lyases, two
RT novel heparinases, from *Bacteroides stercoris* HJ-15.";
RL Eur. J. Biochem. 268:2635-2641(2001).
CC -!- FUNCTION: Degrades acharan sulfate and, to a lesser extent,
CC heparin and heparan sulfate.
CC -!- ENZYME REGULATION: Inhibited by cupric ion, nitrogen and lead.
CC Activated by reducing agents, such as DL-dithiothreitol and 2-
CC mercaptoethanol.
CC -!- SUBUNIT: Monomer.
CC -!- PTM: The N-terminus is blocked.
CC -!- MISCELLANEOUS: Has an isoelectric point of 8.6. Its optimum pH is
CC 7.2 and optimum temperature 45 degrees Celsius.
KW Lyase; Heparin-binding.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1195 MW; D79D897C7AA451AD CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 A 1
|
Db 4 A 4

RESULT 28
BPP3_BOTIN
ID BPP3_BOTIN STANDARD; PRT; 11 AA.
AC P30423;
DT 01-APR-1993 (Rel. 25, Created)
DT 01-FEB-1994 (Rel. 28, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Bradykinin-potentiating peptide S4,3,2 (10C) (Angiotensin-converting
DE enzyme inhibitor).
OS Bothrops insularis (Island jararaca) (Queimada jararaca).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Scleroglossa; Serpentes; Colubroidea;
OC Viperidae; Crotalinae; Bothrops.
OX NCBI_TaxID=8723;
RN [1]
RP SEQUENCE.
RC TISSUE=Venom;
RX MEDLINE=90351557; PubMed=2386615;
RA Cintra A.C.O., Vieira C.A., Giglio J.R.;
RT "Primary structure and biological activity of bradykinin potentiating
RT peptides from *Bothrops insularis* snake venom.";
RL J. Protein Chem. 9:221-227(1990).
CC -!- FUNCTION: This peptide both inhibits the activity of the
CC angiotensin-converting enzyme and enhances the action of
CC bradykinin by inhibiting the kinases that inactivate it.
CC It acts as an indirect hypotensive agent.
DR PIR; C37196; C37196.
KW Hypotensive agent; Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
SQ SEQUENCE 11 AA; 1199 MW; 20B25813C7741777 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 L 4
|
Db 2 L 2

RESULT 29

BPP4_BOTIN
ID BPP4_BOTIN STANDARD; PRT; 11 AA.
AC P30424;
DT 01-APR-1993 (Rel. 25, Created)
DT 01-FEB-1994 (Rel. 28, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Bradykinin-potentiating peptide S4,1,2 (Angiotensin-converting
DE enzyme inhibitor).
OS Bothrops insularis (Island jararaca) (Queimada jararaca).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Scleroglossa; Serpentes; Colubroidea;
OC Viperidae; Crotalinae; Bothrops.
OX NCBI_TaxID=8723;
RN [1]
RP SEQUENCE.
RC TISSUE=Venom;
RX MEDLINE=90351557; PubMed=2386615;
RA Cintra A.C.O., Vieira C.A., Giglio J.R.;
RT "Primary structure and biological activity of bradykinin potentiating
RT peptides from Bothrops insularis snake venom.";
RL J. Protein Chem. 9:221-227(1990).
CC -!- FUNCTION: This peptide both inhibits the activity of the
CC angiotensin-converting enzyme and enhances the action of
CC bradykinin by inhibiting the kinases that inactivate it.
CC It acts as an indirect hypotensive agent.
DR PIR; D37196; D37196.
KW Hypotensive agent; Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
SQ SEQUENCE 11 AA; 1143 MW; 20BBBF13C7741777 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 G 7
|
Db 2 G 2

RESULT 30

BPP_AGKHP
ID BPP_AGKHP STANDARD; PRT; 11 AA.
AC P04562;
DT 13-AUG-1987 (Rel. 05, Created)
DT 01-FEB-1994 (Rel. 28, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)

DE Bradykinin-potentiating peptide (Angiotensin-converting
 DE enzyme inhibitor).
 OS Agkistrodon halys pallas (Chinese water mocassin) (Gloydius halys
 OS pallas).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Lepidosauria; Squamata; Scleroglossa; Serpentes; Colubroidea;
 OC Viperidae; Crotalinae; Gloydius.
 OX NCBI_TaxID=8714;
 RN [1]
 RP SEQUENCE.
 RC TISSUE=Venom;
 RX MEDLINE=86177022; PubMed=3008123;
 RA Chi C.-W., Wang S.-Z., Xu L.-G., Wang M.-Y., Lo S.-S., Huang W.-D.;
 RT "Structure-function studies on the bradykinin potentiating peptide
 RT from Chinese snake venom (Agkistrodon halys pallas).";
 RL Peptides 6 Suppl. 3:339-342(1985).
 CC -!- FUNCTION: This peptide both inhibits the activity of the
 CC angiotensin-converting enzyme and enhances the action of
 CC bradykinin by inhibiting the kinases that inactivate it.
 CC It acts as an indirect hypotensive agent.
 DR PIR; JC0002; XAVIBH.
 KW Hypotensive agent; Pyrrolidone carboxylic acid.
 FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
 SQ SEQUENCE 11 AA; 1112 MW; 30BABF1277686777 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1.1e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	7 G 7
Db	2 G 2

RESULT 31
 BRK_MEGFL
 ID BRK_MEGFL STANDARD; PRT; 11 AA.
 AC P12797;
 DT 01-OCT-1989 (Rel. 12, Created)
 DT 01-OCT-1989 (Rel. 12, Last sequence update)
 DT 28-FEB-2003 (Rel. 41, Last annotation update)
 DE Megascoliakinin ([Thr6]bradykinin-Lys-Ala) [Contains: Bradykinin-like
 DE peptide ([Thr6]bradykinin)].
 OS Megascolia flavifrons (Garden dagger wasp) (Solitary wasp).
 OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
 OC Neoptera; Endopterygota; Hymenoptera; Apocrita; Aculeata; Vespoidea;
 OC Scoliidae; Megascolia.
 OX NCBI_TaxID=7437;
 RN [1]
 RP SEQUENCE.
 RC TISSUE=Venom;
 RX MEDLINE=87293024; PubMed=3617088;
 RA Yasuhara T., Mantel P., Nakajima T., Piek T.;
 RT "Two kinins isolated from an extract of the venom reservoirs of the
 RT solitary wasp Megascolia flavifrons.";
 RL Toxicon 25:527-535(1987).
 RN [2]

RP SEQUENCE.
RC TISSUE=Venom;
RA Nakajima T., Piek T., Yashuara T., Mantel P.
RT "Two kinins isolated from the venom of Megas.
RL Toxicon 26:34-34(1988).
CC -!- FUNCTION: Both proteins have bradykinin-
CC activities (e.g. smooth muscle contracti
CC -!- SUBCELLULAR LOCATION: Secreted; wasp ven
CC -!- SIMILARITY: Belongs to the bradykinin fa
DR PIR; B26744; B26744.
DR GO; GO:0005615; C:extracellular space; IDA.
DR GO; GO:0045776; P:negative regulation of blo
DR GO; GO:0045987; P:positive regulation of smo
KW Bradykinin; Vasodilator.
FT PEPTIDE 1 11 MEGASCOLIAKININ
FT PEPTIDE 1 9 BRADYKININ-LIKE
SQ SEQUENCE 11 AA; 1273 MW; 33867393D771A9C

Query Match 9.1%; Score 1; DB 1;
Best Local Similarity 100.0%; Pred. No. 1.1e-
Matches 1; Conservative 0; Mismatches

QY 2 R 2
|
Db 1 R 1

RESULT 32
CA31_LITCI
ID CA31_LITCI STANDARD; PRT; 11 AA.
AC P82089;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update
DE Caerulein 3.1/3.1Y4.
OS Litoria citropa (Australian blue mountains t.
OC Eukaryota; Metazoa; Chordata; Craniata; Vert.
OC Amphibia; Batrachia; Anura; Neobatrachia; Hy.
OC Pelodryadinae; Litoria.
OX NCBI_TaxID=94770;
RN [1]
RP SEQUENCE, AND MASS SPECTROMETRY.
RC TISSUE=Skin secretion;
RX MEDLINE=20057701; PubMed=10589099;
RA Wabnitz P.A., Bowie J.H., Tyler M.J.;
RT "Caerulein-like peptides from the skin gland.
RT montains tree frog Litoria citropa. Part 1.
RT using electrospray mass spectrometry.";
RL Rapid Commun. Mass Spectrom. 13:2498-2502(19
CC -!- FUNCTION: Hypotensive neuropeptide (Prob.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Skin dorsal glands.
CC -!- PTM: Isoform 3.1Y4 differs from isoform
CC sulfated.
CC -!- MASS SPECTROMETRY: MW=1407; METHOD=Elect.
CC -!- SIMILARITY: Belongs to the gastrin/chole
DR InterPro; IPR001651; Gastrin.

olia flavifrons.";

ike, although lower

n).

m reservoirs.

ily.

d pressure; ISS.

th muscle contra. . . ; TAS.

PEPTIDE.

CRC64;

Length 11;

05;

0; Indels 0; Gaps 0;

ree frog).

ebrata; Euteleostomi;

oidea; Hylidae;

s of the Australian blue

Sequence determination

99).

able).

3.1 in not being

rospray.

cystokinin family.

DR PROSITE; PS00259; GASTRIN; FALSE_NEG.
KW Amphibian defense peptide; Hypotensive agent; Amidation; Sulfation;
KW Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
FT MOD_RES 4 4 SULFATION.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1347 MW; 10DAB7D67861A86B CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 G 7
|
Db 5 G 5

RESULT 33
CA32_LITCI
ID CA32_LITCI STANDARD; PRT; 11 AA.
AC P82090;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Caerulein 3.2/3.2Y4.
OS Litoria citropa (Australian blue mountains tree frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Hylidae;
OC Pelodryadinae; Litoria.
OX NCBI_TaxID=94770;
RN [1]
RP SEQUENCE, AND MASS SPECTROMETRY.
RC TISSUE=Skin secretion;
RX MEDLINE=20057701; PubMed=10589099;
RA Wabnitz P.A., Bowie J.H., Tyler M.J.;
RT "Caerulein-like peptides from the skin glands of the Australian blue
RT montains tree frog Litoria citropa. Part 1. Sequence determination
RT using electrospray mass spectrometry.";
RL Rapid Commun. Mass Spectrom. 13:2498-2502(1999).
CC -!- FUNCTION: Hypotensive neuropeptide (Probable).
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Skin dorsal glands.
CC -!- PTM: Isoform 3.2Y4 differs from isoform 3.2 in not being
CC sulfated.
CC -!- MASS SPECTROMETRY: MW=1423; METHOD=Electrospray.
CC -!- SIMILARITY: Belongs to the gastrin/cholecystokinin family.
DR InterPro; IPR001651; Gastrin.
DR PROSITE; PS00259; GASTRIN; FALSE_NEG.
KW Amphibian defense peptide; Hypotensive agent; Amidation; Sulfation;
KW Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
FT MOD_RES 4 4 SULFATION.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1363 MW; 10DAB8867861A86B CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;

Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 G 7
|
Db 5 G 5

RESULT 34

CA41_LITCI

ID CA41_LITCI STANDARD; PRT; 11 AA.
AC P82091;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Caerulein 4.1/4.1Y4.
OS Litoria citropa (Australian blue mountains tree frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Hylidae;
OC Pelodryadinae; Litoria.
OX NCBI_TaxID=94770;
RN [1]
RP SEQUENCE, AND MASS SPECTROMETRY.
RC TISSUE=Skin secretion;
RX MEDLINE=20057701; PubMed=10589099;
RA Wabnitz P.A., Bowie J.H., Tyler M.J.;
RT "Caerulein-like peptides from the skin glands of the Australian blue
RT montains tree frog Litoria citropa. Part 1. Sequence determination
RT using electrospray mass spectrometry.";
RL Rapid Commun. Mass Spectrom. 13:2498-2502(1999).
CC --!- FUNCTION: Hypotensive neuropeptide (Probable).
CC --!- SUBCELLULAR LOCATION: Secreted.
CC --!- TISSUE SPECIFICITY: Skin dorsal glands.
CC --!- PTM: Isoform 4.1Y4 differs from isoform 4.1 in not being
CC sulfated.
CC --!- MASS SPECTROMETRY: MW=1388; METHOD=Electrospray.
CC --!- SIMILARITY: Belongs to the gastrin/cholecystokinin family.
DR InterPro; IPR001651; Gastrin.
DR PROSITE; PS00259; GASTRIN; FALSE_NEG.
KW Amphibian defense peptide; Hypotensive agent; Amidation; Sulfation;
KW Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
FT MOD_RES 4 4 SULFATION.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1328 MW; 10DAB7C4F5B861BB CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 G 7
|
Db 6 G 6

RESULT 35

CA42_LITCI

ID CA42_LITCI STANDARD; PRT; 11 AA.

AC P82092;
 DT 16-OCT-2001 (Rel. 40, Created)
 DT 16-OCT-2001 (Rel. 40, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 DE Caerulein 4.2/4.2Y4.
 OS Litoria citropa (Australian blue mountains tree frog).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Hylidae;
 OC Pelodryadinae; Litoria.
 OX NCBI_TaxID=94770;
 RN [1]
 RP SEQUENCE, AND MASS SPECTROMETRY.
 RC TISSUE=Skin secretion;
 RX MEDLINE=20057701; PubMed=10589099;
 RA Wabnitz P.A., Bowie J.H., Tyler M.J.;
 RT "Caerulein-like peptides from the skin glands of the Australian blue
 RT montains tree frog Litoria citropa. Part 1. Sequence determination
 RT using electrospray mass spectrometry.";
 RL Rapid Commun. Mass Spectrom. 13:2498-2502(1999).
 CC --!- FUNCTION: Hypotensive neuropeptide (Probable).
 CC --!- SUBCELLULAR LOCATION: Secreted.
 CC --!- TISSUE SPECIFICITY: Skin dorsal glands.
 CC --!- PTM: Isoform 4.2Y4 differs from isoform 4.2 in not being
 CC sulfated.
 CC --!- MASS SPECTROMETRY: MW=1404; METHOD=Electrospray.
 CC --!- SIMILARITY: Belongs to the gastrin/cholecystokinin family.
 DR InterPro; IPR001651; Gastrin.
 DR PROSITE; PS00259; GASTRIN; FALSE_NEG.
 KW Amphibian defense peptide; Hypotensive agent; Amidation; Sulfation;
 KW Pyrrolidone carboxylic acid.
 FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
 FT MOD_RES 4 4 SULFATION.
 FT MOD_RES 11 11 AMIDATION.
 SQ SEQUENCE 11 AA; 1344 MW; 10DAB894F5B861BB CRC64;

 Query Match 9.1%; Score 1; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1.1e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 Qy 7 G 7
 |
 Db 6 G 6

RESULT 36
 CEP1_ACHFU
 ID CEP1_ACHFU STANDARD; PRT; 11 AA.
 AC P22790;
 DT 01-AUG-1991 (Rel. 19, Created)
 DT 01-AUG-1991 (Rel. 19, Last sequence update)
 DT 01-DEC-1992 (Rel. 24, Last annotation update)
 DE Cardio-excitatory peptide-1 (ACEP-1).
 OS Achatina fulica (Giant African snail).
 OC Eukaryota; Metazoa; Mollusca; Gastropoda; Pulmonata; Stylommatophora;
 OC Sigmurethra; Achatinoidea; Achatinidae; Achatina.
 OX NCBI_TaxID=6530;
 RN [1]

RP SEQUENCE.
RC STRAIN=Ferussac; TISSUE=Heart atrium;
RX MEDLINE=90211261; PubMed=2322251;
RA Fujimoto K., Ohta N., Yoshida M., Kubota I., Muneoka Y., Kobayashi M.;
RT "A novel cardio-excitatory peptide isolated from the atria of the
RT African giant snail, Achatina fulica.";
RL Biochem. Biophys. Res. Commun. 167:777-783(1990).
CC -!- FUNCTION: Potentiates the beat of the ventricle, and has also
CC excitatory actions on the penis retractor muscle, the buccal
CC muscle and the identified neurons controlling the buccal muscle
CC movement of achatina.
CC -!- SIMILARITY: TO POSSIBLE PEPTIDE L5 FROM APLYSIA.
DR PIR; A34662; A34662.
KW Hormone; Amidation.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1305 MW; 82D6D5B9C7741365 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 G 7
|
Db 2 G 2

RESULT 37
CORZ_PERAM
ID CORZ_PERAM STANDARD; PRT; 11 AA.
AC P11496;
DT 01-OCT-1989 (Rel. 12, Created)
DT 01-FEB-1994 (Rel. 28, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Corazonin.
OS Periplaneta americana (American cockroach).
OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
OC Neoptera; Orthopteroidea; Dictyoptera; Blattaria; Blattoidea;
OC Blattidae; Periplaneta.
OX NCBI_TaxID=6978;
RN [1]
RP SEQUENCE.
RC TISSUE=Corpora cardiaca;
RX MEDLINE=89325572; PubMed=2753132;
RA Veenstra J.A.;
RT "Isolation and structure of corazonin, a cardioactive peptide from
RT the American cockroach.";
RL FEBS Lett. 250:231-234(1989).
CC -!- FUNCTION: Cardioactive peptide. Corazonin is probably involved
CC in the physiological regulation of the heart beat.
CC -!- SUBCELLULAR LOCATION: Secreted.
DR PIR; S05002; S05002.
KW Neuropeptide; Amidation; Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1387 MW; C7CFF32D6415AB46 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;

Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|
Db 7 R 7

RESULT 38

COXA_CANFA
ID COXA_CANFA STANDARD; PRT; 11 AA.
AC P99501;
DT 15-JUL-1998 (Rel. 36, Created)
DT 15-JUL-1998 (Rel. 36, Last sequence update)
DT 30-MAY-2000 (Rel. 39, Last annotation update)
DE Cytochrome c oxidase polypeptide Va (EC 1.9.3.1) (Fragment).
GN COX5A.
OS Canis familiaris (Dog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.
OX NCBI_TaxID=9615;
RN [1]
RP SEQUENCE.
RC TISSUE=Heart;
RX MEDLINE=98163340; PubMed=9504812;
RA Dunn M.J., Corbett J.M., Wheeler C.H.;
RT "HSC-2DPAGE and the two-dimensional gel electrophoresis database of
RT dog heart proteins.";
RL Electrophoresis 18:2795-2802(1997).
CC -!- FUNCTION: This is the heme A-containing chain of cytochrome c
CC oxidase, the terminal oxidase in mitochondrial electron transport.
CC -!- CATALYTIC ACTIVITY: 4 ferrocyanide + O₂ = 4 ferricyanide
CC + 2 H₂O.
CC -!- SUBCELLULAR LOCATION: Mitochondrial inner membrane.
CC -!- SIMILARITY: Belongs to the cytochrome c oxidase Va family.
DR HSC-2DPAGE; P99501; DOG.
DR InterPro; IPR003204; Cyt_c_ox5A.
DR Pfam; PF02284; COX5A; 1.
KW Oxidoreductase; Heme; Mitochondrion; Inner membrane.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1274 MW; 910B35C5B1AB11F5 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 G 7
|
Db 3 G 3

RESULT 39

CX5A_CONAL
ID CX5A_CONAL STANDARD; PRT; 11 AA.
AC P58848;
DT 28-FEB-2003 (Rel. 41, Created)
DT 28-FEB-2003 (Rel. 41, Last sequence update)

DT 15-MAR-2004 (Rel. 43, Last annotation update)
DE Conotoxin au5a.
OS Conus aulicus (Court cone).
OC Eukaryota; Metazoa; Mollusca; Gastropoda; Orthogastropoda;
OC Apogastropoda; Caenogastropoda; Sorbeoconcha; Hypsogastropoda;
OC Neogastropoda; Conoidea; Conidae; Conus.
OX NCBI_TaxID=89437;
RN [1]
RP SEQUENCE, SYNTHESIS, AND MASS SPECTROMETRY.
RC TISSUE=Venom;
RX MEDLINE=99452958; PubMed=10521453;
RA Walker C.S., Steel D., Jacobsen R.B., Lirazan M.B., Cruz L.J.,
RA Hooper D., Shetty R., DelaCruz R.C., Nielsen J.S., Zhou L.M.,
RA Bandyopadhyay P., Craig A.G., Olivera B.M.;
RT "The T-superfamily of conotoxins.";
RL J. Biol. Chem. 274:30664-30671(1999).
RN [2]
RP ERRATUM.
RA Walker C.S., Steel D., Jacobsen R.B., Lirazan M.B., Cruz L.J.,
RA Hooper D., Shetty R., DelaCruz R.C., Nielsen J.S., Zhou L.M.,
RA Bandyopadhyay P., Craig A.G., Olivera B.M.;
RL J. Biol. Chem. 274:36030-36030(1999).
CC -!- FUNCTION: Causes dorsal fins drooping in fish. No effect is
CC observed when injected into mice.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Expressed by the venom duct.
CC -!- MASS SPECTROMETRY: MW=1436.6; METHOD=LSIMS.
CC -!- SIMILARITY: Belongs to the conotoxin T-superfamily.
DR PIR; A59146; A59146.
KW Toxin.
FT DISULFID 2 9
FT DISULFID 3 10
SQ SEQUENCE 11 AA; 1441 MW; 21A36775440059D7 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|
Db 7 R 7

RESULT 40
CX5B_CONAL
ID CX5B_CONAL STANDARD PRT; 11 AA.
AC P58849;
DT 28-FEB-2003 (Rel. 41, Created)
DT 28-FEB-2003 (Rel. 41, Last sequence update)
DT 15-MAR-2004 (Rel. 43, Last annotation update)
DE Conotoxin au5b.
OS Conus aulicus (Court cone).
OC Eukaryota; Metazoa; Mollusca; Gastropoda; Orthogastropoda;
OC Apogastropoda; Caenogastropoda; Sorbeoconcha; Hypsogastropoda;
OC Neogastropoda; Conoidea; Conidae; Conus.
OX NCBI_TaxID=89437;
RN [1]

RP SEQUENCE, AND MASS SPECTROMETRY.
 RC TISSUE=Venom;
 RX MEDLINE=99452958; PubMed=10521453;
 RA Walker C.S., Steel D., Jacobsen R.B., Lirazan M.B., Cruz L.J.,
 RA Hooper D., Shetty R., DelaCruz R.C., Nielsen J.S., Zhou L.M.,
 RA Bandyopadhyay P., Craig A.G., Olivera B.M.;
 RT "The T-superfamily of conotoxins.";
 RL J. Biol. Chem. 274:30664-30671(1999).
 RN [2]
 RP ERRATUM.
 RA Walker C.S., Steel D., Jacobsen R.B., Lirazan M.B., Cruz L.J.,
 RA Hooper D., Shetty R., DelaCruz R.C., Nielsen J.S., Zhou L.M.,
 RA Bandyopadhyay P., Craig A.G., Olivera B.M.;
 RL J. Biol. Chem. 274:36030-36030(1999).
 CC -!- FUNCTION: Causes dorsal fins drooping in fish. No effect is
 observed when injected into mice (By similarity).
 CC -!- SUBCELLULAR LOCATION: Secreted.
 CC -!- TISSUE SPECIFICITY: Expressed by the venom duct.
 CC -!- MASS SPECTROMETRY: MW=1388.6; METHOD=LSIMS.
 CC -!- SIMILARITY: Belongs to the conotoxin T-superfamily.
 DR PIR; B59146; B59146.
 KW Toxin.
 FT DISULFID 2 9
 FT DISULFID 3 10
 SQ SEQUENCE 11 AA; 1393 MW; 21A36775440042D7 CRC64;
 Query Match 9.1%; Score 1; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1.1e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 2 R 2
 |
 Db 7 R 7

RESULT 41
 CXL1_CONMR
 ID CXL1_CONMR STANDARD; PRT; 11 AA.
 AC P58807;
 DT 28-FEB-2003 (Rel. 41, Created)
 DT 28-FEB-2003 (Rel. 41, Last sequence update)
 DT 28-FEB-2003 (Rel. 41, Last annotation update)
 DE Lambda-conotoxin CMrVIA.
 OS Conus marmoreus (Marble cone).
 OC Eukaryota; Metazoa; Mollusca; Gastropoda; Orthogastropoda;
 OC Apogastropoda; Caenogastropoda; Sorbeoconcha; Hypsogastropoda;
 OC Neogastropoda; Conoidea; Conidae; Conus.
 OX NCBI_TaxID=42752;
 RN [1]
 RP SEQUENCE, SYNTHESIS, AND MASS SPECTROMETRY.
 RC TISSUE=Venom;
 RX MEDLINE=20564325; PubMed=10988292;
 RA Balaji R.A., Ohtake A., Sato K., Gopalakrishnakone P., Kini R.M.,
 RA Seow K.T., Bay B.-H.;
 RT "Lambda-conotoxins, a new family of conotoxins with unique disulfide
 pattern and protein folding. Isolation and characterization from the
 RT venom of Conus marmoreus.";

RL J. Biol. Chem. 275:39516-39522(2000).
CC -!- FUNCTION: Inhibits the neuronal noradrenaline transporter.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Expressed by the venom duct.
CC -!- MASS SPECTROMETRY: MW=1237.93; MW_ERR=0.21; METHOD=Electrospray.
CC -!- SIMILARITY: Belongs to the chi/lambda-conotoxin family.
KW Neurotoxin; Toxin; Hydroxylation.
FT DISULFID 2 11
FT DISULFID 3 8
FT MOD_RES 10 10 HYDROXYLATION.
SQ SEQUENCE 11 AA; 1226 MW; 277AAC60B7232B58 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 G 7
|
Db 4 G 4

RESULT 42
EFG_CLOPA
ID EFG_CLOPA STANDARD PRT; 11 AA.
AC P81350;
DT 15-JUL-1998 (Rel. 36, Created)
DT 15-JUL-1998 (Rel. 36, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Elongation factor G (EF-G) (CP 5) (Fragment).
GN FUSA.
OS Clostridium pasteurianum.
OC Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae;
OC Clostridium.
OX NCBI_TaxID=1501;
RN [1]
RP SEQUENCE.
RC STRAIN=W5;
RX MEDLINE=98291870; PubMed=9629918;
RA Flengsrud R., Skjeldal L.;
RT "Two-dimensional gel electrophoresis separation and N-terminal
RT sequence analysis of proteins from Clostridium pasteurianum W5.";
RL Electrophoresis 19:802-806(1998).
CC -!- FUNCTION: This protein promotes the GTP-dependent translocation of
CC the nascent protein chain from the A-site to the P-site of the
CC ribosome.
CC -!- SUBCELLULAR LOCATION: Cytoplasmic.
CC -!- SIMILARITY: Belongs to the GTP-binding elongation factor family.
CC EF-G/EF-2 subfamily.
DR InterPro; IPR000795; EF_GTPbind.
DR PROSITE; PS00301; EFACTOR_GTP; PARTIAL.
KW Elongation factor; Protein biosynthesis; GTP-binding.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1337 MW; 412E71F1D9C33B17 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 K 9
|
Db 1 K 1

RESULT 43
FAR9_CALVO
ID FAR9_CALVO STANDARD; PRT; 11 AA.
AC P41864;
DT 01-NOV-1995 (Rel. 32, Created)
DT 01-NOV-1995 (Rel. 32, Last sequence update)
DT 01-NOV-1995 (Rel. 32, Last annotation update)
DE CalliFMRFamide 9.
OS Calliphora vomitoria (Blue blowfly).
OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
OC Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Oestroidea;
OC Calliphoridae; Calliphora.
OX NCBI_TaxID=27454;
RN [1]
RP SEQUENCE.
RC TISSUE=Thoracic ganglion;
RX MEDLINE=92196111; PubMed=1549595;
RA Duve H., Johnsen A.H., Sewell J.C., Scott A.G., Orchard I.,
RA Rehfeld J.F., Thorpe A.;
RT "Isolation, structure, and activity of -Phe-Met-Arg-Phe-NH2
RT neuropeptides (designated calliFMRFamides) from the blowfly
RT Calliphora vomitoria.";
RL Proc. Natl. Acad. Sci. U.S.A. 89:2326-2330(1992).
CC -!- SIMILARITY: Belongs to the FARP (FMRFamide related peptide)
CC family.
DR PIR; I41978; I41978.
KW Neuropeptide; Amidation.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1359 MW; 8160CE46CAA44321 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|
Db 10 R 10

RESULT 44
HS70_PINPS
ID HS70_PINPS STANDARD; PRT; 11 AA.
AC P81672;
DT 15-JUL-1999 (Rel. 38, Created)
DT 15-JUL-1999 (Rel. 38, Last sequence update)
DT 15-MAR-2004 (Rel. 43, Last annotation update)
DE Heat shock 70 kDa protein (Fragment).
OS Pinus pinaster (Maritime pine).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Coniferopsida; Coniferales; Pinaceae; Pinus.
OX NCBI_TaxID=71647;

RN [1]
RP SEQUENCE.
RC TISSUE=Needle;
RX MEDLINE=99274088; PubMed=10344291;
RA Costa P., Pionneau C., Bauw G., Dubos C., Bahrman N., Kremer A.,
RA Frigerio J.-M., Plomion C.;
RT "Separation and characterization of needle and xylem maritime pine
RT proteins.";
RL Electrophoresis 20:1098-1108(1999).
CC -!-- MISCELLANEOUS: On the 2D-gel the determined pI of this protein
CC (spot N164) is: 5.4, its MW is: 73 kDa.
CC -!-- SIMILARITY: Belongs to the heat shock protein 70 family.
KW ATP-binding; Heat shock; Multigene family.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1228 MW; 037C1BE8DAA44DD0 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 A 1
|
Db 5 A 5

RESULT 45
LADD_ONCMY
ID LADD_ONCMY STANDARD; PRT; 11 AA.
AC P81018;
DT 01-NOV-1997 (Rel. 35, Created)
DT 01-NOV-1997 (Rel. 35, Last sequence update)
DT 15-DEC-1998 (Rel. 37, Last annotation update)
DE Ladderlectin (Fragment).
OS Oncorhynchus mykiss (Rainbow trout) (Salmo gairdneri).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Euteleostei;
OC Protacanthopterygii; Salmoniformes; Salmonidae; Oncorhynchus.
OX NCBI_TaxID=8022;
RN [1]
RP SEQUENCE.
RC TISSUE=Blood;
RX MEDLINE=97293418; PubMed=9149391;
RA Jensen L.E., Thiel S., Petersen T.E., Jensenuis J.C.;
RT "A rainbow trout lectin with multimeric structure.";
RL Comp. Biochem. Physiol. 116B:385-390(1997).
CC -!-- FUNCTION: Lectin that binds sepharose.
CC -!-- COFACTOR: Calcium is essential for sepharose binding.
CC -!-- SUBUNIT: Multimeric.
KW Lectin; Calcium.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1163 MW; 0B26227FF6D45404 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 A 1
|
Db 1 A 1

RESULT 46

LSK1_LEUMA
ID LSK1_LEUMA STANDARD; PRT; 11 AA.
AC P04428;
DT 13-AUG-1987 (Rel. 05, Created)
DT 13-AUG-1987 (Rel. 05, Last sequence update)
DT 15-MAR-2004 (Rel. 43, Last annotation update)
DE Leucosulfakinin-I (LSK-I).
OS Leucophaea maderae (Madeira cockroach).
OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
OC Neoptera; Orthopteroidea; Dictyoptera; Blattaria; Blaberoidea;
OC Blaberidae; Leucophaea.
OX NCBI_TaxID=6988;
RN [1]
RP SEQUENCE.
RX MEDLINE=86315858; PubMed=3749893;
RA Nachman R.J., Holman G.M., Haddon W.F., Ling N.;
RT "Leucosulfakinin, a sulfated insect neuropeptide with homology to
gastrin and cholecystokinin.";
RL Science 234:71-73(1986).
CC --!- FUNCTION: Change the frequency and amplitude of contractions of
the hingut. Inhibits muscle contraction of hindgut.
CC --!- SIMILARITY: Belongs to the gastrin/cholecystokinin family.
DR PIR; A01622; GMROL.
DR InterPro; IPR001651; Gastrin.
DR PROSITE; PS00259; GASTRIN; 1.
KW Hormone; Amidation; Sulfation.
FT MOD_RES 6 6 SULFATION.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1459 MW; 7E4E0680E86B5AAB CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 R 2
|
Db 10 R 10

RESULT 47

LSKP_PERAM
ID LSKP_PERAM STANDARD; PRT; 11 AA.
AC P36885;
DT 01-JUN-1994 (Rel. 29, Created)
DT 01-JUN-1994 (Rel. 29, Last sequence update)
DT 01-FEB-1996 (Rel. 33, Last annotation update)
DE Perisulfakinin (Pea-SK-I).
OS Periplaneta americana (American cockroach).
OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
OC Neoptera; Orthopteroidea; Dictyoptera; Blattaria; Blattoidea;
OC Blattidae; Periplaneta.

OX NCBI_TaxID=6978;
RN [1]
RP SEQUENCE.
RC TISSUE=Corpora cardiaca;
RX MEDLINE=90137190; PubMed=2615921;
RA Veenstra J.A.;
RT "Isolation and structure of two gastrin/CCK-like neuropeptides from
the American cockroach homologous to the leucosulfakinins.";
RL Neuropeptides 14:145-149(1989).
CC -!-- FUNCTION: Stimulates hindgut contractions.
CC -!-- SIMILARITY: Belongs to the gastrin/cholecystokinin family.
DR PIR; A60656; A60656.
DR InterPro; IPR001651; Gastrin.
DR PROSITE; PS00259; GASTRIN; 1.
KW Hormone; Amidation; Sulfation.
FT MOD_RES 6 6 SULFATION.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1445 MW; 8B4E0680E86B5AAA CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|
Db 10 R 10

RESULT 48
MLG_THETS
ID MLG_THETS STANDARD PRT; 11 AA.
AC P41989;
DT 01-NOV-1995 (Rel. 32, Created)
DT 01-NOV-1995 (Rel. 32, Last sequence update)
DT 16-OCT-2001 (Rel. 40, Last annotation update)
DE Melanotropin gamma (Gamma-melanocyte stimulating hormone) (Gamma-MSH).
OS Theromyzon tessulatum (Leech).
OC Eukaryota; Metazoa; Annelida; Clitellata; Hirudinida; Hirudinea;
OC Rhynchobdellida; Glossiphoniidae; Theromyzon.
OX NCBI_TaxID=13286;
RN [1]
RP SEQUENCE.
RC TISSUE=Brain;
RX MEDLINE=94298944; PubMed=8026574;
RA Salzet M., Wattez C., Bulet P., Malecha J.;
RT "Isolation and structural characterization of a novel peptide related
to gamma-melanocyte stimulating hormone from the brain of the leech
Theromyzon tessulatum.";
RL FEBS Lett. 348:102-106(1994).
CC -!-- SIMILARITY: Belongs to the POMC family.
DR PIR; S45698; S45698.
KW Hormone; Amidation.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1486 MW; 2DB8FACE6409C1E8 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;

Matches	1;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
Qy	2	R	2						
Db	7	R	7						

RESULT 49

MORN_HUMAN

ID MORN_HUMAN STANDARD; PRT; 11 AA.
AC P01163;
DT 21-JUL-1986 (Rel. 01, Created)
DT 21-JUL-1986 (Rel. 01, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Morphogenetic neuropeptide (Head activator) (HA).
OS Homo sapiens (Human),
OS Rattus norvegicus (Rat),
OS Bos taurus (Bovine),
OS Anthopleura elegantissima (Sea anemone), and
OS Hydra attenuata (Hydra) (Hydra vulgaris).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606, 10116, 9913, 6110, 6087;
RN [1]
RP SEQUENCE.
RC SPECIES=Human, Rat, and Bovine;
RX MEDLINE=82035850; PubMed=7290191;
RA Bodenmuller H., Schaller H.C.;
RT "Conserved amino acid sequence of a neuropeptide, the head activator,
from coelenterates to humans.";
RL Nature 293:579-580(1981).
RN [2]
RP SEQUENCE.
RC SPECIES=A.elegantissima, and H.attenuata;
RA Schaller H.C., Bodenmuller H.;
RT "Isolation and amino acid sequence of a morphogenetic peptide from
RT hydra.";
RL Proc. Natl. Acad. Sci. U.S.A. 78:7000-7004(1981).
RN [3]
RP SYNTHESIS.
RX MEDLINE=82050803; PubMed=7297679;
RA Birr C., Zachmann B., Bodenmuller H., Schaller H.C.;
RT "Synthesis of a new neuropeptide, the head activator from hydra.";
RL FEBS Lett. 131:317-321(1981).
RN [4]
RP FUNCTION.
RX MEDLINE=90059923; PubMed=2583101;
RA Schaller H.C., Druffel-Augustin S., Dubel S.;
RT "Head activator acts as an autocrine growth factor for NH15-CA2 cells
in the G2/mitosis transition.";
RL EMBO J. 8:3311-3318(1989).
CC -!- FUNCTION: HA acts as an autocrine growth factor for neural cells
CC in the G2/mitosis transition.
CC -!- CAUTION: This peptide was first isolated from nerve cells of hydra
CC and was called head activator by the authors, because it induced
CC head-specific growth and differentiation in this animal. It has
CC been found in mammalian intestine and hypothalamus.

DR PIR; A01427; YHRT.
DR PIR; A93900; YHXAE.
DR PIR; B01427; YHHU.
DR PIR; B93900; YHJFHY.
DR PIR; C01427; YHBO.
DR GK; P01163; -.
KW Growth factor; Cell cycle; Mitosis; Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
SQ SEQUENCE 11 AA; 1142 MW; 37927417C325B878 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 L 4
|
Db 10 L 10

RESULT 50
NXSN_PSETE
ID NXSN_PSETE STANDARD; PRT; 11 AA.
AC P59072;
DT 28-FEB-2003 (Rel. 41, Created)
DT 28-FEB-2003 (Rel. 41, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Short neurotoxin N1 (Alpha neurotoxin) (Fragment).
OS Pseudonaja textilis (Eastern brown snake).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Scleroglossa; Serpentes; Colubroidea;
OC Elapidae; Acanthophiinae; Pseudonaja.
OX NCBI_TaxID=8673;
RN [1]
RP SEQUENCE, AND MASS SPECTROMETRY.
RC TISSUE=Venom;
RX MEDLINE=99449602; PubMed=10518793;
RA Gong N.L., Armugam A., Jeyaseelan K.;
RT "Postsynaptic short-chain neurotoxins from Pseudonaja textilis: cDNA
cloning, expression and protein characterization.";
RL Eur. J. Biochem. 265:982-989(1999).
CC --!- FUNCTION: Lethal neurotoxin, binds and inhibits nicotinic
CC acetylcholine receptors (nAChR).
CC --!- SUBCELLULAR LOCATION: Secreted.
CC --!- TISSUE SPECIFICITY: Expressed by the venom gland.
CC --!- MASS SPECTROMETRY: MW=6236; METHOD=Electrospray.
CC --!- MISCELLANEOUS: LD(50) is 0.84 mg/kg by intravenous injection.
CC --!- SIMILARITY: Belongs to the snake toxin family.
DR InterPro; IPR003571; Snake_toxin.
DR PROSITE; PS00272; SNAKE_TOXIN; PARTIAL.
KW Toxin; Neurotoxin; Postsynaptic neurotoxin;
KW Acetylcholine receptor inhibitor; Multigene family.
FT UNSURE 3 3
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1319 MW; 0D1EF0C81B58732B CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;

Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 L 4
|
Db 1 L 1

RESULT 51

PKC1_CARMO

ID PKC1_CARMO STANDARD; PRT; 11 AA.
AC P82684;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 16-OCT-2001 (Rel. 40, Last annotation update)
DE Pyrokinin-1 (Cam-PK-1) (FXPRL-Amide).
OS Carausius morosus (Indian stick insect).
OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
OC Neoptera; Orthopteroidea; Phasmatodea; Euphasmida; Phasmatoidea;
OC Heteronemiidae; Carausius.
OX NCBI_TaxID=7022;
RN [1]
RP SEQUENCE, FUNCTION, AND MASS SPECTROMETRY.
RC TISSUE=Corpora cardiaca;
RA Predel R., Kellner R., Gaede G.;
RT "Myotropic neuropeptides from the retrocerebral complex of the stick
insect, Carausius morosus (Phasmatodea: Lonchodidae).";
RL Eur. J. Entomol. 96:275-278(1999).
CC -!-- FUNCTION: Mediates visceral muscle contractile activity (myotropic
CC activity).
CC -!-- MASS SPECTROMETRY: MW=1235; METHOD=MALDI.
CC -!-- SIMILARITY: Belongs to the pyrokinin family.
DR InterPro; IPR001484; Pyrokinin.
DR PROSITE; PS00539; PYROKININ; FALSE_NEG.
KW Neuropeptide; Amidation; Pyrokinin.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1236 MW; 2BFA5225BB46C1A8 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|
Db 10 R 10

RESULT 52

PQQC_PSEFL

ID PQQC_PSEFL STANDARD; PRT; 11 AA.
AC P55173;
DT 01-OCT-1996 (Rel. 34, Created)
DT 01-OCT-1996 (Rel. 34, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Coenzyme PQQ synthesis protein C (Pyrroloquinoline quinone
DE biosynthesis protein C) (Fragment).
GN PQQC.
OS Pseudomonas fluorescens.

OC Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
OC Pseudomonadaceae; Pseudomonas.
OX NCBI_TaxID=294;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=CHA0;
RX MEDLINE=96064397; PubMed=8526497;
RA Schnider U., Keel C., Defago G., Haas D.;
RT "Tn5-directed cloning of pqq genes from *Pseudomonas fluorescens* CHA0:
RT mutational inactivation of the genes results in overproduction of the
RT antibiotic pyoluteorin.";
RL Appl. Environ. Microbiol. 61:3856-3864(1995).
CC -!- PATHWAY: Pyrroloquinoline quinone (PQQ) biosynthesis.
CC -!- SIMILARITY: Belongs to the pqqC family.
CC -----
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CC -----
DR EMBL; X87299; CAA60734.1; -.
DR PIR; S58244; S58244.
DR HAMAP; MF_00654; -; 1.
KW PQQ biosynthesis.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1182 MW; 89DF46E4C5B73771 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 P 10
|
Db 5 P 5

RESULT 53
RANC_RANPI
ID RANC_RANPI STANDARD; PRT; 11 AA.
AC P08951;
DT 01-NOV-1988 (Rel. 09, Created)
DT 01-NOV-1988 (Rel. 09, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Ranatensin-C.
OS Rana pipiens (Northern leopard frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidea; Ranidae; Rana.
OX NCBI_TaxID=8404;
RN [1]
RP SEQUENCE.
RC TISSUE=Skin secretion;
RX MEDLINE=84131098; PubMed=6141890;
RA Nakajima T.;
RL Unpublished results, cited by:

RL Erspamer V., Erspamer G.F., Mazzanti G., Endean R.;
RL Comp. Biochem. Physiol. 77C:99-108(1984).
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Skin.
CC -!- SIMILARITY: Belongs to the bombesin/neuromedin B/ranatensin
CC family.
DR InterPro; IPR000874; Bombesin.
DR Pfam; PF02044; Bombesin; 1.
DR PROSITE; PS00257; BOMBESIN; 1.
KW Amphibian defense peptide; Bombesin family; Amidation.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1304 MW; D6C9885A61ADC366 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 P 10
|
Db 3 P 3

RESULT 54
RE41_LITRU
ID RE41_LITRU STANDARD; PRT; 11 AA.
AC P82074;
DT 28-FEB-2003 (Rel. 41, Created)
DT 28-FEB-2003 (Rel. 41, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Rubellidin 4.1.
OS Litoria rubella (Desert tree frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Hylidae;
OC Pelodryadinae; Litoria.
OX NCBI_TaxID=104895;
RN [1]
RP SEQUENCE, AND MASS SPECTROMETRY.
RC TISSUE=Skin secretion;
RA Steinborner S.T., Wabnitz P.A., Waugh R.J., Bowie J.H., Gao C.,
RA Tyler M.J., Wallace J.C.;
RT "The structure of new peptides from the Australin red tree frog
RT 'Litoria rubella'. The skin peptide profile as a probe for the study
RT of evolutionary trends of amphibians.";
RL Aust. J. Chem. 49:955-963(1996).
CC -!- FUNCTION: Shows neither neuropeptide activity nor antibiotic
CC activity.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Expressed by the skin dorsal glands.
CC -!- MASS SPECTROMETRY: MW=1039; METHOD=FAB.
KW Amphibian defense peptide; Amidation.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1040 MW; 84ED5CBC2877205A CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 G 7
 |
Db 1 G 1

RESULT 55

RR2_CONAM

ID RR2_CONAM STANDARD; PRT; 11 AA.
AC P42341;
DT 01-NOV-1995 (Rel. 32, Created)
DT 01-NOV-1995 (Rel. 32, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Chloroplast 30S ribosomal protein S2 (Fragment).
GN RPS2.
OS Conopholis americana (Squawroot).
OG Chloroplast.
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicots; core eudicots; asterids;
OC lamiids; Lamiales; Orobanchaceae; Orobancheae; Conopholis.
OX NCBI_TaxID=4179;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=92145776; PubMed=1723664;
RA Taylor G., Wolfe K.H., Morden C.W., Depamphilis C.W., Palmer J.D.;
RT "Lack of a functional plastid tRNA(Cys) gene is associated with loss
RT of photosynthesis in a lineage of parasitic plants.";
RL Curr. Genet. 20:515-518(1991).
CC -!-- SIMILARITY: Belongs to the S2P family of ribosomal proteins.
CC -----
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CC -----
DR EMBL; X64567; CAA45868.1; -.
DR PIR; S32575; S32575.
DR HAMAP; MF_00291; -; 1.
DR InterPro; IPR001865; Ribosomal_S2.
DR PROSITE; PS00962; RIBOSOMAL_S2_1; PARTIAL.
DR PROSITE; PS00963; RIBOSOMAL_S2_2; PARTIAL.
KW Ribosomal protein; Chloroplast.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1497 MW; 76CD719954536B44 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
 |
Db 3 R 3

RESULT 56

T2P1_PROVU

ID T2P1 PROVU STANDARD; PRT; 11 AA.

AC P31031;

DT 01-JUL-1993 (Rel. 26, Created)

DT 01-JUL-1993 (Rel. 26, Last sequence update)

DT 10-OCT-2003 (Rel. 42, Last annotation update)

DE Type II restriction enzyme PvuI (EC 3.1.21.4) (Endonuclease PvuI)

DE (R.PvuI) (Fragment).

GN PVUIR.

OS Proteus vulgaris.

OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;

OC Enterobacteriaceae; Proteus.

OX NCBI_TaxID=585;

RN [1]

RP SEQUENCE FROM N.A.

RC STRAIN=ATCC 13315;

RX MEDLINE=93087186; PubMed=1454536;

RA Smith M.D., Longo M., Gerard G.F., Chatterjee D.K.;

RT "Cloning and characterization of genes for the PvuI restriction and modification system.";

RL Nucleic Acids Res. 20:5743-5747(1992).

CC -!- FUNCTION: RECOGNIZES THE DOUBLE-STRANDED SEQUENCE CGATCG AND

CC CLEAVES AFTER T-4.

CC -!- CATALYTIC ACTIVITY: Endonucleolytic cleavage of DNA to give

CC specific double-stranded fragments with terminal 5'-phosphates.

CC -----

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CC -----

DR EMBL; L04163; AAA25660.1; -.

DR PIR; S35490; S35490.

DR REBASE; 1541; PvuI.

KW Restriction system; Hydrolase; Nuclease; Endonuclease.

FT NON_TER 1 1

SQ SEQUENCE 11 AA; 1300 MW; 9F0CDE7955B72B1A CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;

Best Local Similarity 100.0%; Pred. No. 1.1e+05;

Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 L 4
|
Db 6 L 6

RESULT 57

TIN1_HOPTI

ID TIN1_HOPTI STANDARD; PRT; 11 AA.

AC P82651;

DT 16-OCT-2001 (Rel. 40, Created)

DT 16-OCT-2001 (Rel. 40, Last sequence update)

DT 15-MAR-2004 (Rel. 43, Last annotation update)

DE Tigerinin-1.
OS Hoplobatrachus tigerinus (Indian bull frog) (Rana tigerina).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidea; Ranidae;
OC Hoplobatrachus.
OX NCBI_TaxID=103373;
RN [1]
RP SEQUENCE, FUNCTION, MASS SPECTROMETRY, AND DISULFIDE BONDS.
RC TISSUE=Skin secretion;
RX PubMed=11031261;
RA Purna Sai K., Jaganadham M.V., Vairamani M., Raju N.P.,
RA Devi A.S., Nagaraj R., Sitaram N.;
RT "Tigerinins: novel antimicrobial peptides from the Indian frog Rana
RT tigerina.";
RL J. Biol. Chem. 276:2701-2707(2001).
CC -!-- FUNCTION: Antibacterial activity against B.subtilis, E.coli,
CC S.aureus, M.luteus, P.putida and S.cerevisiae.
CC -!-- SUBCELLULAR LOCATION: Secreted.
CC -!-- TISSUE SPECIFICITY: Skin.
CC -!-- MASS SPECTROMETRY: MW=1342; METHOD=MALDI.
KW Amphibian defense peptide; Antibiotic; Fungicide; Amidation.
FT DISULFID 2 10
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1344 MW; A2087DC960476056 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	2 R 2
Db	9 R 9

RESULT 58
TIN4_HOPTI
ID TIN4_HOPTI STANDARD; PRT; 11 AA.
AC P82654;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Tigerinin-4.
OS Hoplobatrachus tigerinus (Indian bull frog) (Rana tigerina).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidea; Ranidae;
OC Hoplobatrachus.
OX NCBI_TaxID=103373;
RN [1]
RP SEQUENCE, FUNCTION, MASS SPECTROMETRY, AND DISULFIDE BONDS.
RC TISSUE=Skin secretion;
RX PubMed=11031261;
RA Purna Sai K., Jaganadham M.V., Vairamani M., Raju N.P.,
RA Devi A.S., Nagaraj R., Sitaram N.;
RT "Tigerinins: novel antimicrobial peptides from the Indian frog Rana
RT tigerina.";
RL J. Biol. Chem. 276:2701-2707(2001).
CC -!-- FUNCTION: Antibacterial activity against B.subtilis, E.coli,

CC S.aureus, M.luteus, P.putida and S.cerevisiae.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Skin.
CC -!- MASS SPECTROMETRY: MW=1247; METHOD=MALDI.
KW Amphibian defense peptide; Antibiotic.
FT DISULFID 3 11
SQ SEQUENCE 11 AA; 1248 MW; 117D8EFD37605DCB CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|
Db 1 R 1

RESULT 59

TKC2_CALVO
ID TKC2_CALVO STANDARD; PRT; 11 AA.
AC P41518;
DT 01-NOV-1995 (Rel. 32, Created)
DT 01-NOV-1995 (Rel. 32, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Callitachykinin II.
OS Calliphora vomitoria (Blue blowfly).
OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
OC Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Oestroidea;
OC Calliphoridae; Calliphora.
OX NCBI_TaxID=27454;
RN [1]
RP SEQUENCE, AND SYNTHESIS.
RX MEDLINE=95075727; PubMed=7984492;
RA Lundquist C.T., Clottens F.L., Holman G.M., Nichols R., Nachman R.J.,
RA Naessel D.R.;
RT "Callitachykinin I and II, two novel myotropic peptides isolated from
RT the blowfly, Calliphora vomitoria, that have resemblances to
RT tachykinins.";
RL Peptides 15:761-768(1994).
CC -!- FUNCTION: Myoactive peptide.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- SIMILARITY: SOME SIMILARITY TO TACHYKININS.
KW Tachykinin; Neuropeptide; Amidation.
FT MOD RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1103 MW; 15D7E3F9C9CDD444 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 G 7
|
Db 1 G 1

RESULT 60
TKN1_PSEGU

ID TKN1_PSEGU STANDARD; PRT; 11 AA.
AC P42986;
DT 01-NOV-1995 (Rel. 32, Created)
DT 01-NOV-1995 (Rel. 32, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Kassinin-like peptide K-I (PG-KI).
OS Pseudophryne guentheri (Guenther's toadlet).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Myobatrachidae;
OC Myobatrachinae; Pseudophryne.
OX NCBI_TaxID=30349;
RN [1]
RP SEQUENCE.
RC TISSUE=Skin secretion;
RX MEDLINE=90287814; PubMed=2356157;
RA Simmaco M., Severini C., de Biase D., Barra D., Bossa F.,
RA Roberts J.D., Melchiorri P., Erspamer V.;
RT "Six novel tachykinin- and bombesin-related peptides from the skin of
RT the Australian frog Pseudophryne guntheri.";
RL Peptides 11:299-304(1990).
CC -!-- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles.
CC -!-- SUBCELLULAR LOCATION: Secreted.
CC -!-- TISSUE SPECIFICITY: Skin.
CC -!-- SIMILARITY: Belongs to the tachykinin family.
DR PIR; B60409; B60409.
DR InterPro; IPR002040; Tachy_Neurokinin.
DR InterPro; IPR008215; Tachykinin.
DR Pfam; PF02202; Tachykinin; 1.
DR SMART; SM00203; TK; 1.
DR PROSITE; PS00267; TACHYKININ; 1.
KW Amphibian defense peptide; Tachykinin; Neuropeptide; Amidation;
KW Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1269 MW; 3DBA7C37C9CB1AB7 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 L 4
|
Db 10 L 10

RESULT 61
TKN1_UPEIN
ID TKN1_UPEIN STANDARD; PRT; 11 AA.
AC P82026;
DT 30-MAY-2000 (Rel. 39, Created)
DT 30-MAY-2000 (Rel. 39, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Uperin 1.1.
OS Uperoleia inundata (Floodplain toadlet).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Myobatrachidae;
OC Myobatrachinae; Uperoleia.
OX NCBI_TaxID=104953;
RN [1]
RP SEQUENCE, AND MASS SPECTROMETRY.
RC TISSUE=Skin secretion;
RA Bradford A.M., Raftery M.J., Bowie J.H., Tyler M.J., Wallace J.C.,
RA Adams G.W., Severini C.;
RT "Novel uperin peptides from the dorsal glands of the australian
RT floodplain toadlet Uperoleia inundata.";
RL Aust. J. Chem. 49:475-484(1996).
CC -!-- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles.
CC -!-- SUBCELLULAR LOCATION: Secreted.
CC -!-- TISSUE SPECIFICITY: Skin dorsal glands.
CC -!-- MASS SPECTROMETRY: MW=1208; METHOD=FAB.
CC -!-- SIMILARITY: Belongs to the tachykinin family.
DR InterPro; IPR002040; Tachy_Neurokinin.
DR Pfam; PF02202; Tachykinin; 1.
DR PROSITE; PS00267; TACHYKININ; 1.
KW Amphibian defense peptide; Tachykinin; Neuropeptide; Amidation;
KW Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1226 MW; 3293693E59CDD457 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 A 1
|
Db 2 A 2

RESULT 62
TKN1_UPERU
ID TKN1_UPERU STANDARD; PRT; 11 AA.
AC P08612;
DT 01-AUG-1988 (Rel. 08, Created)
DT 01-FEB-1994 (Rel. 28, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Uperolein.
OS Uperoleia rugosa (Wrinkled toadlet).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Myobatrachidae;
OC Myobatrachinae; Uperoleia.
OX NCBI_TaxID=8368;
RN [1]
RP SEQUENCE.
RC TISSUE=Skin secretion;
RX MEDLINE=75131227; PubMed=1120493;
RA Anastasi A., Erspamer V., Endean R.;
RT "Structure of uperolein, a physalaemin-like endecapeptide occurring

RT in the skin of *Uperoleia rugosa* and *Uperoleia marmorata*.";
 RL *Experientia* 31:394-395(1975).
 CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
 evoke behavioral responses, are potent vasodilators and
 secretagogues, and contract (directly or indirectly) many smooth
 muscles.
 CC -!- SUBCELLULAR LOCATION: Secreted.
 CC -!- TISSUE SPECIFICITY: Skin.
 CC -!- SIMILARITY: Belongs to the tachykinin family.
 DR InterPro; IPR002040; Tachy_Neurokinin.
 DR InterPro; IPR008215; Tachykinin.
 DR Pfam; PF02202; Tachykinin; 1.
 DR SMART; SM00203; TK; 1.
 DR PROSITE; PS00267; TACHYKININ; 1.
 KW Amphibian defense peptide; Tachykinin; Neuropeptide; Amidation;
 KW Pyrrolidone carboxylic acid.
 FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
 FT MOD_RES 11 11 AMIDATION.
 SQ SEQUENCE 11 AA; 1252 MW; 32867C3E59CDD457 CRC64;

 Query Match 9.1%; Score 1; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1.1e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 Qy 10 P 10
 |
 Db 2 P 2

RESULT 63
 TKN2_PSEGU
 ID TKN2_PSEGU STANDARD; PRT; 11 AA.
 AC P42987;
 DT 01-NOV-1995 (Rel. 32, Created)
 DT 01-NOV-1995 (Rel. 32, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 DE Kassinin-like peptide K-II (PG-KII).
 OS Pseudophryne guentheri (Guenther's toadlet).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Myobatrachidae;
 OC Myobatrachinae; Pseudophryne.
 OX NCBI_TaxID=30349;
 RN [1]
 RP SEQUENCE.
 RC TISSUE=Skin secretion;
 RX MEDLINE=90287814; PubMed=2356157;
 RA Simmaco M., Severini C., de Biase D., Barra D., Bossa F.,
 RA Roberts J.D., Melchiorri P., Erspamer V.;
 RT "Six novel tachykinin- and bombesin-related peptides from the skin of
 the Australian frog *Pseudophryne guntheri*."
 RL Peptides 11:299-304(1990).
 CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
 evoke behavioral responses, are potent vasodilators and
 secretagogues, and contract (directly or indirectly) many smooth
 muscles.
 CC -!- SUBCELLULAR LOCATION: Secreted.
 CC -!- TISSUE SPECIFICITY: Skin.

CC -!- SIMILARITY: Belongs to the tachykinin family.
 DR PIR; C60409; C60409.
 DR InterPro; IPR002040; Tachy_Neurokinin.
 DR InterPro; IPR008215; Tachykinin.
 DR Pfam; PF02202; Tachykinin; 1.
 DR SMART; SM00203; TK; 1.
 DR PROSITE; PS00267; TACHYKININ; 1.
 KW Amphibian defense peptide; Tachykinin; Neuropeptide; Amidation;
 KW Pyrrolidone carboxylic acid.
 FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
 FT MOD_RES 11 11 AMIDATION.
 SQ SEQUENCE 11 AA; 1246 MW; 3A247C37C9CB1AB7 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1.1e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	5 N 5
Db	3 N 3

RESULT 64

TKN3_PSEGU

ID TKN3_PSEGU STANDARD; PRT; 11 AA.
 AC P42988;
 DT 01-NOV-1995 (Rel. 32, Created)
 DT 01-NOV-1995 (Rel. 32, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 DE Kassinin-like peptide K-III (PG-KIII).
 OS Pseudophryne guentheri (Guenther's toadlet).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Myobatrachidae;
 OC Myobatrachinae; Pseudophryne.
 OX NCBI_TaxID=30349;
 RN [1]
 RP SEQUENCE.
 RC TISSUE=Skin secretion;
 RX MEDLINE=90287814; PubMed=2356157;
 RA Simmaco M., Severini C., de Biase D., Barra D., Bossa F.,
 RA Roberts J.D., Melchiorri P., Erspamer V.;
 RT "Six novel tachykinin- and bombesin-related peptides from the skin of
 RT the Australian frog Pseudophryne guntheri.";
 RL Peptides 11:299-304(1990).
 CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
 evoke behavioral responses, are potent vasodilators and
 secretagogues, and contract (directly or indirectly) many smooth
 muscles.
 CC -!- SUBCELLULAR LOCATION: Secreted.
 CC -!- TISSUE SPECIFICITY: Skin.
 CC -!- SIMILARITY: Belongs to the tachykinin family.
 DR PIR; D60409; D60409.
 DR InterPro; IPR002040; Tachy_Neurokinin.
 DR InterPro; IPR008215; Tachykinin.
 DR Pfam; PF02202; Tachykinin; 1.
 DR SMART; SM00203; TK; 1.
 DR PROSITE; PS00267; TACHYKININ; 1.

KW Amphibian defense peptide; Tachykinin; Neuropeptide; Amidation;
KW Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1268 MW; 3DBA7C37C9CB1457 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 N 5
|
Db 5 N 5

RESULT 65
TKN4_PSEGU
ID TKN4_PSEGU STANDARD; PRT; 11 AA.
AC P42989;
DT 01-NOV-1995 (Rel. 32, Created)
DT 01-NOV-1995 (Rel. 32, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Substance P-like peptide I (PG-SPI).
OS Pseudophryne guentheri (Guenther's toadlet).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Myobatrachidae;
OC Myobatrachinae; Pseudophryne.
OX NCBI_TaxID=30349;
RN [1]
RP SEQUENCE.
RC TISSUE=Skin secretion;
RX MEDLINE=90287814; PubMed=2356157;
RA Simmaco M., Severini C., de Biase D., Barra D., Bossa F.,
RA Roberts J.D., Melchiorri P., Erspamer V.;
RT "Six novel tachykinin- and bombesin-related peptides from the skin of
RT the Australian frog Pseudophryne guntheri.";
RL Peptides 11:299-304(1990).
CC -!-- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles.
CC -!-- SUBCELLULAR LOCATION: Secreted.
CC -!-- TISSUE SPECIFICITY: Skin.
CC -!-- SIMILARITY: Belongs to the tachykinin family.
DR PIR; E60409; E60409.
DR InterPro; IPR002040; Tachy_Neurokinin.
DR InterPro; IPR008215; Tachykinin.
DR Pfam; PF02202; Tachykinin; 1.
DR SMART; SM00203; TK; 1.
DR PROSITE; PS00267; TACHYKININ; 1.
KW Amphibian defense peptide; Tachykinin; Neuropeptide; Amidation;
KW Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1294 MW; 3A247C2CC9CB1AB7 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;

Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 N 5
|
Db 3 N 3

RESULT 66

TKN5_PSEGU

ID TKN5_PSEGU STANDARD; PRT; 11 AA.
AC P42990;
DT 01-NOV-1995 (Rel. 32, Created)
DT 01-NOV-1995 (Rel. 32, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Substance P-like peptide II (PG-SPII).
OS Pseudophryne guentheri (Guenther's toadlet).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Myobatrachidae;
OC Myobatrachinae; Pseudophryne.
OX NCBI_TaxID=30349;
RN [1]
RP SEQUENCE.
RC TISSUE=Skin secretion;
RX MEDLINE=90287814; PubMed=2356157;
RA Simmaco M., Severini C., de Biase D., Barra D., Bossa F.,
RA Roberts J.D., Melchiorri P., Erspamer V.;
RT "Six novel tachykinin- and bombesin-related peptides from the skin of
RT the Australian frog Pseudophryne guntheri.";
RL Peptides 11:299-304(1990).
CC -!-- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles.
CC -!-- SUBCELLULAR LOCATION: Secreted.
CC -!-- TISSUE SPECIFICITY: Skin.
CC -!-- SIMILARITY: Belongs to the tachykinin family.
DR PIR; F60409; F60409.
DR InterPro; IPR002040; Tachy_Neurokinin.
DR InterPro; IPR008215; Tachykinin.
DR Pfam; PF02202; Tachykinin; 1.
DR SMART; SM00203; TK; 1.
DR PROSITE; PS00267; TACHYKININ; 1.
KW Amphibian defense peptide; Tachykinin; Neuropeptide; Amidation;
KW Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1293 MW; 3A247C2CC9CB1457 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 N 5
|
Db 3 N 3

RESULT 67

TKNA_CHICK

ID TKNA_CHICK STANDARD; PRT; 11 AA.

AC P19850;

DT 01-FEB-1991 (Rel. 17, Created)

DT 01-FEB-1991 (Rel. 17, Last sequence update)

DT 10-OCT-2003 (Rel. 42, Last annotation update)

DE Substance P.

OS Gallus gallus (Chicken).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;

OC Gallus.

OX NCBI_TaxID=9031;

RN [1]

RP SEQUENCE.

RC TISSUE=Intestine;

RX MEDLINE=88204263; PubMed=2452461;

RA Conlon J.M., Katsoulis S., Schmidt W.E., Thim L.;

RT "[Arg3]substance P and neurokinin A from chicken small intestine.";

RL Regul. Pept. 20:171-180(1988).

CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
evoke behavioral responses, are potent vasodilators and
secretagogues, and contract (directly or indirectly) many smooth
muscles.

CC -!- SUBCELLULAR LOCATION: Secreted.

CC -!- SIMILARITY: Belongs to the tachykinin family.

DR PIR; JN0023; JN0023.

DR InterPro; IPR002040; Tachy_Neurokinin.

DR Pfam; PF02202; Tachykinin; 1.

DR PROSITE; PS00267; TACHYKININ; 1.

KW Tachykinin; Neuropeptide; Amidation; Neurotransmitter.

FT MOD_RES 11 11 AMIDATION.

SQ SEQUENCE 11 AA; 1377 MW; 21487FE3C9D6C6C7 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 R 2
|
Db 1 R 1

RESULT 68

TKN_ELEMO

ID TKN_ELEMO STANDARD; PRT; 11 AA.

AC P01293;

DT 21-JUL-1986 (Rel. 01, Created)

DT 01-FEB-1994 (Rel. 28, Last sequence update)

DT 10-OCT-2003 (Rel. 42, Last annotation update)

DE Eledoisin.

OS Eledone moschata (Musky octopus) (*Ozaena moschata*), and
OS Eledone cirrhosa (Curled octopus) (*Ozaena cirrosa*).

OC Eukaryota; Metazoa; Mollusca; Cephalopoda; Coleoidea; Neocoeloidea;

OC Octopodiformes; Octopoda; Incirrata; Octopodidae; Eledone.

OX NCBI_TaxID=6641, 102876;

RN [1]
RP SEQUENCE.
RA Anastasi A., Erspamer V.;
RT "The isolation and amino acid sequence of eleodoisin, the active
RT endecapeptide of the posterior salivary glands of Eledone.";
RL Arch. Biochem. Biophys. 101:56-65(1963).
CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Skin.
CC -!- SIMILARITY: Belongs to the tachykinin family.
DR PIR; A01561; EOOC.
DR PIR; B01561; EOOC.
DR PDB; 1MXQ; 18-FEB-03.
DR InterPro; IPR002040; Tachy_Neurokinin.
DR PROSITE; PS00267; TACHYKININ; 1.
KW Tachykinin; Neuropeptide; Amidation; Pyrrolidone carboxylic acid;
KW 3D-structure.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1206 MW; 570D7C2559CDDAA3 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 P 10
|
Db 2 P 2

RESULT 69
TKN_PHYFU
ID TKN_PHYFU STANDARD; PRT; 11 AA.
AC P08615;
DT 01-AUG-1988 (Rel. 08, Created)
DT 01-FEB-1994 (Rel. 28, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Physalaemin.
OS Physalaemus fuscumaculatus (Neotropical frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Leptodactylidae;
OC Leptodactylinae; Physalaemus.
OX NCBI_TaxID=8378;
RN [1]
RP SEQUENCE.
RC TISSUE=Skin secretion;
RX MEDLINE=66076612; PubMed=5857249;
RA Erspamer V., Anastasi A., Bertaccini G., Cei J.M.;
RT "Structure and pharmacological actions of physalaemin, the main
RT active polypeptide of the skin of Physalaemus fuscumaculatus.";
RL Experientia 20:489-490(1964).
CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth

CC muscles.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Skin.
CC -!- SIMILARITY: Belongs to the tachykinin family.
DR PIR; S07201; S07201.
DR InterPro; IPR002040; Tachy_Neurokinin.
DR Pfam; PF02202; Tachykinin; 1.
DR PROSITE; PS00267; TACHYKININ; 1.
KW Amphibian defense peptide; Tachykinin; Neuropeptide; Amidation;
KW Pyrrolidone carboxylic acid.
FT MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
FT MOD_RES 11 11 AMIDATION.
SQ SEQUENCE 11 AA; 1283 MW; 3293693E59C33457 CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 A 1
|
Db 2 A 2

RESULT 70
UF05_MOUSE
ID UF05_MOUSE STANDARD; PRT; 11 AA.
AC P38643;
DT 01-OCT-1994 (Rel. 30, Created)
DT 01-OCT-1994 (Rel. 30, Last sequence update)
DT 15-MAR-2004 (Rel. 43, Last annotation update)
DE Unknown protein from 2D-page of fibroblasts (P48) (Fragment).
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE.
RC TISSUE=Fibroblast;
RX MEDLINE=95009907; PubMed=7523108;
RA Merrick B.A., Patterson R.M., Wichter L.L., He C., Selkirk J.K.;
RT "Separation and sequencing of familiar and novel murine proteins
RT using preparative two-dimensional gel electrophoresis.";
RL Electrophoresis 15:735-745(1994).
CC -!- MISCELLANEOUS: On the 2D-gel the determined pI of this unknown
CC protein is: 5.5, its MW is: 48 kDa.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1328 MW; E54835E5CAAABAFAA CRC64;

Query Match 9.1%; Score 1; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 L 4
|
Db 11 L 11

Search completed: April 8, 2004, 15:47:19
Job time : 5.15385 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 8, 2004, 15:30:07 ; Search time 27.7692 Seconds
(without alignments)
124.984 Million cell updates/sec

Title: US-09-787-443A-3

Perfect score: 11

Sequence: 1 ARALNWGAKPK 11

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 1017041 seqs, 315518202 residues

Word size : 0

Total number of hits satisfying chosen parameters: 460

Minimum DB seq length: 11

Maximum DB seq length: 11

Post-processing: Listing first 100 summaries

```
Database : SPTREMBL_25:*
1: sp_archea:*
2: sp_bacteria:*
3: sp_fungi:*
4: sp_human:*
5: sp_invertebrate:*
6: sp_mammal:*
7: sp_mhc:*
8: sp_organelle:*
9: sp_phage:*
10: sp_plant:*
11: sp_rat:*
12: sp_virus:*
13: sp_vertebrate:*
14: sp_unclassified:*
15: sp_rvirus:*
16: sp_bacteriap:*
17: sp_archeap:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

8

Result	Query							Description
No.	Score	Match	Length	DB	ID			

1	3	27.3	11	4	Q8TDA8	Q8tda8 homo sapien
2	3	27.3	11	5	Q9TWX6	Q9twx6 manduca sex
3	3	27.3	11	5	Q23876	Q23876 dictyosteli
4	3	27.3	11	6	Q9TQS9	Q9tqs9 equus cabal
5	3	27.3	11	11	Q9QVH3	Q9qvh3 rattus sp.
6	2	18.2	11	2	O68237	O68237 borrelia bu
7	2	18.2	11	2	Q9AIZ7	Q9aiz7 carsonella
8	2	18.2	11	2	Q8RKN1	Q8rkn1 escherichia
9	2	18.2	11	2	Q8KHL0	Q8kh10 streptococc
10	2	18.2	11	2	Q9R4B1	Q9r4b1 streptococc
11	2	18.2	11	2	Q9S618	Q9s618 prochloroco
12	2	18.2	11	2	Q9EUZ3	Q9euz3 escherichia
13	2	18.2	11	2	Q47600	Q47600 escherichia
14	2	18.2	11	2	O87882	O87882 mycobacteri
15	2	18.2	11	2	Q9RFZ2	Q9rfz2 mycoplasma
16	2	18.2	11	2	P95518	P95518 pasteurella
17	2	18.2	11	2	Q47604	Q47604 escherichia
18	2	18.2	11	2	Q47345	Q47345 escherichia
19	2	18.2	11	2	Q47420	Q47420 escherichia
20	2	18.2	11	2	Q8KRA1	Q8kral streptococc
21	2	18.2	11	2	Q56413	Q56413 escherichia
22	2	18.2	11	2	Q47059	Q47059 escherichia
23	2	18.2	11	2	Q9R446	Q9r446 neisseria g
24	2	18.2	11	2	Q8GMU3	Q8gmu3 acinetobact
25	2	18.2	11	2	Q9X9S6	Q9x9s6 streptomyce
26	2	18.2	11	2	Q7X566	Q7x566 thermus the
27	2	18.2	11	3	O60005	O60005 aspergillus
28	2	18.2	11	3	O60007	O60007 emericella
29	2	18.2	11	3	O60192	O60192 aspergillus
30	2	18.2	11	3	Q9C1R7	Q9c1r7 saccharomyc
31	2	18.2	11	3	O60006	O60006 aspergillus
32	2	18.2	11	4	O60614	O60614 homo sapien
33	2	18.2	11	4	Q14759	Q14759 homo sapien
34	2	18.2	11	4	Q9UCP2	Q9ucp2 homo sapien
35	2	18.2	11	4	Q9NY38	Q9ny38 homo sapien
36	2	18.2	11	4	O60761	O60761 homo sapien
37	2	18.2	11	4	O75811	O75811 homo sapien
38	2	18.2	11	4	Q15997	Q15997 homo sapien
39	2	18.2	11	4	Q96QF8	Q96qf8 homo sapien
40	2	18.2	11	4	Q9UCP5	Q9ucp5 homo sapien
41	2	18.2	11	4	Q9UE69	Q9ue69 homo sapien
42	2	18.2	11	4	Q9HCN5	Q9hcn5 homo sapien
43	2	18.2	11	5	Q26092	Q26092 pisaster oc
44	2	18.2	11	5	Q9NFX0	Q9nfx0 drosophila
45	2	18.2	11	5	Q86D32	Q86d32 trypanosoma
46	2	18.2	11	5	Q86D31	Q86d31 trypanosoma
47	2	18.2	11	5	Q95PX6	Q95px6 caenorhabdi
48	2	18.2	11	6	Q95J20	Q95j20 eulemur ful
49	2	18.2	11	6	Q95NB6	Q95nb6 eulemur ful
50	2	18.2	11	6	Q95J19	Q95j19 eulemur ful
51	2	18.2	11	7	O77914	O77914 oreochromis
52	2	18.2	11	7	Q9UEX7	Q9uex7 homo sapien
53	2	18.2	11	7	O78118	O78118 oreochromis
54	2	18.2	11	7	O77872	O77872 oreochromis
55	2	18.2	11	7	O78120	O78120 oreochromis
56	2	18.2	11	7	O77873	O77873 oreochromis
57	2	18.2	11	7	O77871	O77871 oreochromis

58	2	18.2	11	8	Q9G622	Q9g622 salea horsf
59	2	18.2	11	8	Q95EI4	Q95ei4 dendrochilu
60	2	18.2	11	8	Q9G359	Q9g359 japalura fl
61	2	18.2	11	8	Q9G649	Q9g649 otocryptis
62	2	18.2	11	8	Q9G5Z8	Q9g5z8 acanthosaur
63	2	18.2	11	8	Q94VH7	Q94vh7 varanus gil
64	2	18.2	11	8	Q9G619	Q9g619 ceratophora
65	2	18.2	11	8	Q8WER7	Q8wer7 ceratophora
66	2	18.2	11	8	Q8WD50	Q8wd50 ceratophora
67	2	18.2	11	8	Q35374	Q35374 paramecium
68	2	18.2	11	8	Q9G5X1	Q9g5x1 trapelus pe
69	2	18.2	11	8	Q8WER4	Q8wer4 ceratophora
70	2	18.2	11	8	Q9G682	Q9g682 chelosania
71	2	18.2	11	8	Q9G655	Q9g655 japalura tr
72	2	18.2	11	8	Q9G637	Q9g637 calotes lio
73	2	18.2	11	8	Q7Y9C8	Q7y9c8 tympanocryp
74	2	18.2	11	9	Q38415	Q38415 bacteriopha
75	2	18.2	11	10	Q06626	Q06626 solanum tub
76	2	18.2	11	10	O65901	O65901 leavenworth
77	2	18.2	11	10	Q8RV30	Q8rv30 zea mays (m
78	2	18.2	11	10	Q9S8X4	Q9s8x4 glycine max
79	2	18.2	11	10	Q39784	Q39784 gossypium h
80	2	18.2	11	10	Q9T0L9	Q9t0l9 brassica ol
81	2	18.2	11	10	Q94IR5	Q94ir5 pinus radia
82	2	18.2	11	11	Q99JC3	Q99jc3 rattus sp.
83	2	18.2	11	11	Q9QXM6	Q9qxm6 mus musculu
84	2	18.2	11	11	Q99N81	Q99n81 mus musculu
85	2	18.2	11	11	Q9JLE6	Q9jle6 rattus norv
86	2	18.2	11	11	Q9Z1H5	Q9z1h5 mus musculu
87	2	18.2	11	11	Q80WI1	Q80wi1 mus sp. nt-
88	2	18.2	11	12	Q86866	Q86866 lymphocytic
89	2	18.2	11	12	Q83083	Q83083 leucania se
90	2	18.2	11	12	Q86868	Q86868 lymphocytic
91	2	18.2	11	12	Q66874	Q66874 feline cali
92	2	18.2	11	12	Q84247	Q84247 polyomaviru
93	2	18.2	11	13	Q9PST1	Q9pst1 fugu rubrip
94	2	18.2	11	13	Q8AX69	Q8ax69 oreochromis
95	2	18.2	11	13	Q8AX68	Q8ax68 oreochromis
96	2	18.2	11	13	Q800X7	Q800x7 chelydra se
97	2	18.2	11	15	Q83410	Q83410 mouse mamma
98	2	18.2	11	15	Q85620	Q85620 moloney mur
99	1	9.1	11	2	Q9AIY6	Q9aiy6 carsonella
100	1	9.1	11	2	Q9R790	Q9r790 borrelia ga

ALIGNMENTS

RESULT 1

Q8TDA8

ID Q8TDA8 PRELIMINARY; PRT; 11 AA.
AC Q8TDA8;
DT 01-JUN-2002 (TrEMBLrel. 21, Created)
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Glutathione synthetase (Fragment).
OS Homo sapiens (Human).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 OX NCBI_TaxID=9606;
 RN [1]
 RP SEQUENCE FROM N.A.
 RA Cho Y.-W., Lee Y.-Y., Lim C.-J.;
 RT "Cloning and characterization of glutathione synthetase gene from
 RT human placenta DNA.";
 RL Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases.
 DR EMBL; AF485789; AAL91591.1; -.
 FT NON_TER 11 11
 SQ SEQUENCE 11 AA; 1235 MW; 1CE28D1E35B86374 CRC64;

 Query Match 27.3%; Score 3; DB 4; Length 11;
 Best Local Similarity 100.0%; Pred. No. 8.7e+03;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 Qy 5 NWG 7
 |||
 Db 4 NWG 6

RESULT 2
 Q9TWX6
 ID Q9TWX6 PRELIMINARY; PRT; 11 AA.
 AC Q9TWX6;
 DT 01-MAY-2000 (TrEMBLrel. 13, Created)
 DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
 DE Juvenile hormone binding protein, JHBP=12.5 kDa CNBR peptide
 DE (Fragment).
 OS Manduca sexta (Tobacco hawkmoth) (Tobacco hornworm).
 OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
 OC Neoptera; Endopterygota; Lepidoptera; Glossata; Ditrysia; Sphingiodea;
 OC Sphingidae; Sphinginae; Manduca.
 OX NCBI_TaxID=7130;
 RN [1]
 RP SEQUENCE.
 RX MEDLINE=92134256; PubMed=1734862;
 RA Touhara K., Prestwich G.D.;
 RT "Binding site mapping of a photoaffinity-labeled juvenile hormone
 RT binding protein.";
 RL Biochem. Biophys. Res. Commun. 182:466-473(1992).
 FT NON_TER 1 1
 FT NON_TER 11 11
 SQ SEQUENCE 11 AA; 1071 MW; D232A98E705045BD CRC64;

 Query Match 27.3%; Score 3; DB 5; Length 11;
 Best Local Similarity 100.0%; Pred. No. 8.7e+03;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 Qy 7 GAK 9
 |||
 Db 9 GAK 11

RESULT 3

Q23876
ID Q23876 PRELIMINARY; PRT; 11 AA.
AC Q23876;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-NOV-1998 (TrEMBLrel. 08, Last annotation update)
DE Actin 4.
OS Dictyostelium discoideum (Slime mold).
OC Eukaryota; Mycetozoa; Dictyosteliida; Dictyostelium.
OX NCBI_TaxID=44689;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=82260445; PubMed=6286214;
RA McKeown M., Firtel R.A.;
RT "Actin multigene family of Dictyostelium.";
RL Cold Spring Harb. Symp. Quant. Biol. 46:495-505(1982).
DR EMBL; K02957; AAA33150.1; -.
DR EMBL; K02956; AAA33150.1; JOINED.
SQ SEQUENCE 11 AA; 1205 MW; 728B4C14C6C2CAAB CRC64;

Query Match 27.3%; Score 3; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.7e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 ALN 5
|||
Db 8 ALN 10

RESULT 4
Q9TQS9
ID Q9TQS9 PRELIMINARY; PRT; 11 AA.
AC Q9TQS9;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-MAY-2000 (TrEMBLrel. 13, Last annotation update)
DE Transferrin (Fragment).
OS Equus caballus (Horse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Perissodactyla; Equidae; Equus.
OX NCBI_TaxID=9796;
RN [1]
RP SEQUENCE FROM N.A.
RA Giffard J.M., Brandon R.B., Bell T.K.;
RT "Further identification of single nucleotide polymorphisms in the
RT equine transferrin gene.";
RL Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AF185800; AAF05495.1; -.
DR EMBL; AF185797; AAF05492.1; -.
DR EMBL; AF185798; AAF05493.1; -.
DR EMBL; AF185799; AAF05494.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1231 MW; C586121E2DC4005D CRC64;

Query Match 27.3%; Score 3; DB 6; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.7e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RAL 4
|||
Db 6 RAL 8

RESULT 5

Q9QVH3

ID Q9QVH3 PRELIMINARY; PRT; 11 AA.
AC Q9QVH3;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Chromogranin-B, CGB=GLUCAGONOMA peptide (Fragment).
OS Rattus sp.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10118;
RN [1]
RP SEQUENCE.
RX MEDLINE=92063871; PubMed=1954895;
RA Nielsen E., Welinder B.S., Madsen O.D.;
RT "Chromogranin-B, a putative precursor of eight novel rat glucagonoma
peptides through processing at mono-, di-, or tribasic residues.";
RL Endocrinology 129:3147-3156(1991).
DR InterPro; IPR001990; Granin.
DR Pfam; PF01271; Granin; 1.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1342 MW; 6C82C3737452CAAB CRC64;

Query Match 27.3%; Score 3; DB 11; Length 11;
Best Local Similarity 100.0%; Pred. No. 8.7e+03;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 NWG 7
|||
Db 7 NWG 9

RESULT 6

O68237

ID O68237 PRELIMINARY; PRT; 11 AA.
AC O68237;
DT 01-AUG-1998 (TrEMBLrel. 07, Created)
DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Plasmid cp32-4, possible partition proteins (Fragment).
OS Borrelia burgdorferi (Lyme disease spirochete).
OG Plasmid cp32-4.
OC Bacteria; Spirochaetes; Spirochaetales; Spirochaetaceae; Borrelia.
OX NCBI_TaxID=139;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=B31;
RX MEDLINE=98361033; PubMed=9695920;
RA Stevenson B., Casjens S., Rosa P.;

RT "Evidence of past recombination events among the genes encoding the
RT Erp antigens of *Borrelia burgdorferi*.";
RL Microbiology 144:1869-1879(1998).
DR EMBL; AF022481; AAC35449.1; -.
DR GO; GO:0046821; C:extrachromosomal DNA; IEA.
KW Plasmid.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1237 MW; 50E3B714D45B5DD7 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 8 AL 9

RESULT 7

Q9AIZ7
ID Q9AIZ7 PRELIMINARY; PRT; 11 AA.
AC Q9AIZ7;
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Tryptophanyl-tRNA synthetase (Fragment).
GN TRPS.
OS Carsonella ruddii.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Candidatus Carsonella.
OX NCBI_TaxID=114186;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=20336438; PubMed=10877784;
RA Thao M.L., Moran N.A., Abbot P., Brennan E.B., Burckhardt D.H.,
RA Baumann P.;
RT "Cospeciation of psyllids and their primary prokaryotic
RT endosymbionts.";
RL Appl. Environ. Microbiol. 66:2898-2905(2000).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=21125546; PubMed=11222582;
RA Clark M.A., Baumann L., Thao M.L., Moran N.A., Baumann P.;
RT "Degenerative Minimalism in the Genome of a Psyllid Endosymbiont.";
RL J. Bacteriol. 183:1853-1861(2001).
DR EMBL; AF211132; AAK15377.1; -.
DR GO; GO:0004812; F:tRNA ligase activity; IEA.
KW Aminoacyl-tRNA synthetase.
FT NON_TER 1 1
SQ SEQUENCE 11 AA; 1333 MW; A28C67D6533059C6 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 LN 5
||
Db 2 LN 3

RESULT 8

Q8RKN1

ID Q8RKN1 PRELIMINARY; PRT; 11 AA.
AC Q8RKN1;
DT 01-JUN-2002 (TrEMBLrel. 21, Created)
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Beta-lactamase CTX-M-9 (Fragment).
GN BLACTX-M-9.
OS Escherichia coli.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
OC Enterobacteriaceae; Escherichia.
OX NCBI_TaxID=562;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=743-D;
RA Sabate M., Navarro F., Miro E., Campoy S., Mirelis B., Barbe J.,
RA Prats G.;
RT "A novel complex sul1-type integron in Escherichia coli carrying the
RT bla(CTX-M-9) gene.";
RL Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AY092058; AAM15718.1; -.
FT NON_TER 1 1
SQ SEQUENCE 11 AA; 1071 MW; C26BF418D050440D CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 4 AR 5

RESULT 9

Q8KHL0

ID Q8KHL0 PRELIMINARY; PRT; 11 AA.
AC Q8KHL0;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-OCT-2002 (TrEMBLrel. 22, Last annotation update)
DE Hypothetical protein (Fragment).
OS Streptococcus gallolyticus.
OC Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;
OC Streptococcus.
OX NCBI_TaxID=53354;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=4-C11, and 4-G10; TRANSPOSON=Tn5382-like;
RA Dahl K.H., Sundsfjord A.;
RT "vanB2 operons linked to Tn5382-like elements in Streptococcus strains
RT from veal calves.";
RL Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AY035710; AAL07295.1; -.
DR EMBL; AY035711; AAL07297.1; -.

KW Hypothetical protein.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1329 MW; 93207414D1EEAB5E CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 8 AL 9

RESULT 10
Q9R4B1
ID Q9R4B1 PRELIMINARY; PRT; 11 AA.
AC Q9R4B1;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-MAY-2000 (TrEMBLrel. 13, Last annotation update)
DE BX protein (Fragment).
OS Streptococcus pyogenes.
OC Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;
OC Streptococcus.
OX NCBI_TaxID=1314;
RN [1]
RP SEQUENCE.
RX MEDLINE=95252678; PubMed=7734831;
RA Gerlach D., Gunther E., Kohler W., Vettermann S., Fleischer B.,
RA Schmidt K.H.;
RT "Isolation and characterization of a mitogen characteristic of group A
RT streptococci (Streptococcus pyogenes).";
RL Int. J. Med. Microbiol. Virol. Parasitol. Infect. Dis. 282:67-
RL 82(1995).
SQ SEQUENCE 11 AA; 1216 MW; CE527287CAA455A2 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 LN 5
||
Db 10 LN 11

RESULT 11
Q9S618
ID Q9S618 PRELIMINARY; PRT; 11 AA.
AC Q9S618;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-MAY-2000 (TrEMBLrel. 13, Last annotation update)
DE Cytochrome b6/f complex subunit IV (Fragment).
GN PETD.
OS Prochlorococcus sp.
OC Bacteria; Cyanobacteria; Prochlorophytes; Prochlorococcaceae;
OC Prochlorococcus.

OX NCBI_TaxID=1220;
RN [1]
RP SEQUENCE FROM N.A.
RA Urbach E., Chisholm S.W.;
RT "Genetic diversity in Prochlorococcus populations flow cytometrically
sorted from the Sargasso Sea and Gulf Stream.";
RL Limnol. Oceanog. 43:1615-1630(1998).
DR EMBL; AF070132; AAD20740.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1297 MW; 5CC38013B7633337 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 6 KP 7

RESULT 12
Q9EUZ3
ID Q9EUZ3 PRELIMINARY; PRT; 11 AA.
AC Q9EUZ3;
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-MAR-2001 (TrEMBLrel. 16, Last annotation update)
DE Ribosome binding factor A (Fragment).
GN RBFA.
OS Escherichia coli.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
OC Enterobacteriaceae; Escherichia.
OX NCBI_TaxID=562;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=IQ490;
RA Hedegaard J., Kristensen J.E., Nakamura Y., Sperling-Petersen H.U.,
RA Mortensen K.K.;
RT "Sequence of the infB gene from Escherichia coli strain IQ489 and
RT IQ490.";
RL Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AJ132862; CAC20133.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1319 MW; 6B234CFE740879CB CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 2 AK 3

RESULT 13
Q47600
ID Q47600 PRELIMINARY; PRT; 11 AA.

AC Q47600;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE REase protein (Fragment).
GN REASE.
OS Escherichia coli.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
OC Enterobacteriaceae; Escherichia.
OX NCBI_TaxID=562;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=91139577; PubMed=1995588;
RA Tao T., Bourne J.C., Blumenthal R.M.;
RT "A family of regulatory genes associated with type II restriction-
modification systems.";
RL J. Bacteriol. 173:1367-1375(1991).
DR EMBL; M63619; AAA24556.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1232 MW; 63175479572AB5A4 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 AL 4
||
Db 10 AL 11

RESULT 14
087882
ID 087882 PRELIMINARY; PRT; 11 AA.
AC 087882;
DT 01-NOV-1998 (TrEMBLrel. 08, Created)
DT 01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
DT 01-NOV-1998 (TrEMBLrel. 08, Last annotation update)
DE Alkyl hydroperoxide reductase (Fragment).
GN AHPC.
OS Mycobacterium xenopi.
OC Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
OC Corynebacterineae; Mycobacteriaceae; Mycobacterium.
OX NCBI_TaxID=1789;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=ATCC19250;
RX MEDLINE=98406038; PubMed=9733688;
RA Pagan-Ramos E., Song J., McFalane M., Mudd M.H., Deretic V.;
RT "Oxidative stress response and characterization of the oxyR-ahpC and
furA-katG loci in Mycobacterium marinum.";
RL J. Bacteriol. 180:4856-4864(1998).
DR EMBL; U43810; AAC61663.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1147 MW; 45458CE1787041A7 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;

Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 2 AL 3

RESULT 15

Q9RFZ2

ID Q9RFZ2 PRELIMINARY; PRT; 11 AA.
AC Q9RFZ2;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Fructose biphosphate aldolase (Fragment).
GN FBA.
OS Mycoplasma mycoides subsp. capri.
OC Bacteria; Firmicutes; Mollicutes; Mycoplasmataceae; Mycoplasma.
OX NCBI_TaxID=40477;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=PG3;
RX MEDLINE=20193983; PubMed=10727835;
RA Thiaucourt F., Lorenzon S., David A., Breard A.;
RT "Phylogeny of the Mycoplasma mycoides cluster as shown by sequencing
RT of a putative membrane protein gene.";
RL Vet. Microbiol. 72:251-268(2000).
DR EMBL; AF162998; AAF15255.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1371 MW; 50B0881A3331FB57 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 2 PK 3

RESULT 16

P95518

ID P95518 PRELIMINARY; PRT; 11 AA.
AC P95518;
DT 01-MAY-1997 (TrEMBLrel. 03, Created)
DT 01-MAY-1997 (TrEMBLrel. 03, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Ribosomal protein RpsA (Fragment).
GN RPSA.
OS Pasteurella haemolytica.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Pasteurellales;
OC Pasteurellaceae; Mannheimia.
OX NCBI_TaxID=75985;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=PHL101;
RX MEDLINE=97164347; PubMed=9011038;

RA Highlander S.K., Garza O., Brown B.J., Koby S., Oppenheim A.B.;
RT "Isolation and characterization of the integration host factor genes
RT of Pasteurella haemolytica.";
RL FEMS Microbiol. Lett. 146:181-188(1997).
DR EMBL; U56139; AAC44845.1; -.
FT NON_TER 1 1
SQ SEQUENCE 11 AA; 1168 MW; 7A4BFD38D339CDDB CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 8 AK 9

RESULT 17

Q47604

ID Q47604 PRELIMINARY; PRT; 11 AA.
AC Q47604;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE REase protein (Fragment).
GN REASE.
OS Escherichia coli.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
OC Enterobacteriaceae; Escherichia.
OX NCBI_TaxID=562;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=91139577; PubMed=1995588;
RA Tao T., Bourne J.C., Blumenthal R.M.;
RT "A family of regulatory genes associated with type II restriction-
modification systems.";
RL J. Bacteriol. 173:1367-1375(1991).
DR EMBL; M63621; AAA24560.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1296 MW; 3039A71A34472AB7 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 LN 5
||
Db 6 LN 7

RESULT 18

Q47345

ID Q47345 PRELIMINARY; PRT; 11 AA.
AC Q47345;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)

DE Leader peptide.
OS Escherichia coli.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
OC Enterobacteriaceae; Escherichia.
OX NCBI_TaxID=562;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=K12;
RA Faber F., van Giezen M., Van Gorcom R.F.M., Harder W.;
RT "Identification of two Escherichia coli K12 proteins which are induced
RT in response to pollutant stress.";
RL Submitted (APR-1996) to the EMBL/GenBank/DDBJ databases.
RN [2]
RP SEQUENCE OF 2-11 FROM N.A.
RC STRAIN=K12;
RX MEDLINE=85134883; PubMed=6396419;
RA Hudson G.S., Davidson B.E.;
RT "Nucleotide sequence and transcription of the phenylalanine and
RT tyrosine operons of Escherichia coli K12.";
RL J. Mol. Biol. 180:1023-1051(1984).
DR EMBL; Z70523; CAA94435.1; -.
SQ SEQUENCE 11 AA; 1402 MW; 87AB199204141775 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 LN 5
||
Db 2 LN 3

RESULT 19
Q47420
ID Q47420 PRELIMINARY; PRT; 11 AA.
AC Q47420;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE ORF11 protein.
OS Escherichia coli.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
OC Enterobacteriaceae; Escherichia.
OX NCBI_TaxID=562;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=K12;
RX MEDLINE=92041688; PubMed=1657895;
RA Sharples G.J., Lloyd R.G.;
RT "Resolution of Holliday junctions in Escherichia coli: Identification
RT of the ruvC gene product as a 19-Kilodalton protein.";
RL J. Bacteriol. 173:7711-7715(1991).
DR EMBL; X59551; CAA42127.1; -.
DR PIR; S19015; S19015.
SQ SEQUENCE 11 AA; 1215 MW; DD8D6D4D56C6D33D CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;

Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 4 AK 5

RESULT 20

Q8KRA1

ID Q8KRA1 PRELIMINARY; PRT; 11 AA.
AC Q8KRA1;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-OCT-2002 (TrEMBLrel. 22, Last annotation update)
DE Hypothetical protein (Fragment).
OS Streptococcus lutetiensis.
OC Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;
OC Streptococcus.
OX NCBI_TaxID=150055;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=5-F9; TRANSPOSON=Tn5382-like;
RA Dahl K.H., Sundsfjord A.;
RT "vanB2 operons linked to Tn5382-like elements in Streptococcus strains
from veal calves.";
RL Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AY035709; AAL07293.1; -.
KW Hypothetical protein.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1329 MW; 93207414D1EEAB5E CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 8 AL 9

RESULT 21

Q56413

ID Q56413 PRELIMINARY; PRT; 11 AA.
AC Q56413;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE IS602L region DNA, 5' end (Fragment).
OS Escherichia coli.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
OC Enterobacteriaceae; Escherichia.
OX NCBI_TaxID=562;
RN [1]
RP SEQUENCE FROM N.A.
RC TRANSPOSON=Transposon Tn602;
RX MEDLINE=87318208; PubMed=2819910;

RA Stibitz S., Davies J.E.;
RT "Tn602: A naturally occurring relative of Tn903 with direct repeats.";
RL Plasmid 17:202-209(1987).
DR EMBL; M22735; AAA27464.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1361 MW; 447E8354A05339C3 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 NW 6
||
Db 9 NW 10

RESULT 22
Q47059
ID Q47059 PRELIMINARY; PRT; 11 AA.
AC Q47059;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Acetyl ornithine deacetylase (Fragment).
GN ARGE.
OS Escherichia coli.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
OC Enterobacteriaceae; Escherichia.
OX NCBI_TaxID=562;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=83064529; PubMed=6292860;
RA Charlier D., Piette J., Glansdorff N.;
RT "IS3 can function as a mobile promoter in E. coli.";
RL Nucleic Acids Res. 10:5935-5948(1982).
DR EMBL; J01589; AAA23485.1; -.
DR PIR; I41138; I41138.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1181 MW; 93F0429162C05731 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 LN 5
||
Db 2 LN 3

RESULT 23
Q9R446
ID Q9R446 PRELIMINARY; PRT; 11 AA.
AC Q9R446;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-MAY-2000 (TrEMBLrel. 13, Last annotation update)

DE Carbamoyl-phosphate synthase subunit A (Fragment).
GN CARA.
OS Neisseria gonorrhoeae.
OC Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales;
OC Neisseriaceae; Neisseria.
OX NCBI_TaxID=485;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=MS11, and FA1090;
RX MEDLINE=95291461; PubMed=7773412;
RA Lawson F.S., Billowes F.M., Dillon J.A.;
RT "Organization of carbamoyl-phosphate synthase genes in Neisseria
gonorrhoeae includes a large, variable intergenic sequence which is
also present in other Neisseria species.";
RL Microbiology 141:0-0(0).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=MS11, and FA1090;
RA Brinkman F.S.L., Francis F.M., Dillon J.R.;
RT "Complexity of the variable sequence between the carbamoyl-phosphate
synthase genes of Neisseria species.";
RL Submitted (OCT-1997) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AF029363; AAC78453.1; -.
DR EMBL; AF029362; AAC78452.1; -.
FT NON_TER 1 1
SQ SEQUENCE 11 AA; 1178 MW; 0C07A8E3DDD33694 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AK 9
||
Db 8 AK 9

RESULT 24
Q8GMU3
ID Q8GMU3 PRELIMINARY; PRT; 11 AA.
AC Q8GMU3;
DT 01-MAR-2003 (TrEMBLrel. 23, Created)
DT 01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Putative catalase isozyme (Fragment).
GN KATA.
OS Acinetobacter lwoffii.
OG Plasmid pKLH202.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
OC Moraxellaceae; Acinetobacter.
OX NCBI_TaxID=28090;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=TC108;
RA Kholodii G.Y., Yurieva O.V., Mindlin S.Z., Gorlenko Z.M.,
RA Nikiforov V.G.;
RT "pKLH2-like aberrant transposons and possible mechanisms of their
dissemination.";

RL Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AJ250245; CAC80800.1; -.
DR GO; GO:0046821; C:extrachromosomal DNA; IEA.
KW Plasmid.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1233 MW; 81A15757B333276A CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 5 PK 6

RESULT 25
Q9X9S6
ID Q9X9S6 PRELIMINARY; PRT; 11 AA.
AC Q9X9S6;
DT 01-NOV-1999 (TrEMBLrel. 12, Created)
DT 01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Hypothetical protein (Fragment).
OS Streptomyces lividans.
OC Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
OC Streptomycineae; Streptomycetaceae; Streptomyces.
OX NCBI_TaxID=1916;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=TK21;
RX MEDLINE=99328982; PubMed=10400594;
RA Martinez-Costa O.H., Martin-Triana A.J., Martinez E.,
RA Fernandez-Moreno M.A., Malpartida F.;
RT "An additinal regulatory gene for actinorhodin production in
RT Streptomyces lividans involves a LysR-type transcriptional
RT regulator.";
RL J. Bacteriol. 181:4353-4364(1999).
DR EMBL; Y18818; CAB51138.1; -.
KW Hypothetical protein.
FT NON_TER 1 1
SQ SEQUENCE 11 AA; 1160 MW; D1BABABA8EC1EDC412 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RA 3
||
Db 5 RA 6

RESULT 26
Q7X566
ID Q7X566 PRELIMINARY; PRT; 11 AA.
AC Q7X566;
DT 01-OCT-2003 (TrEMBLrel. 25, Created)

DT 01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Hypothetical protein (Fragment).
OS Thermus thermophilus.
OC Bacteria; Deinococcus-Thermus; Deinococci; Thermales; Thermaceae;
OC Thermus.
OX NCBI_TaxID=274;
RN [1]
RP SEQUENCE FROM N.A.
RA Miyazaki T., Miyazaki J., Nishiyama M., Yamane H.;
RT "Characterization of a LysN, the 4th enzyme in lysine biosynthesis, in
RT an extremely thermophilic bacterium, Thermus thermophilus HB27.";
RL Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AB097117; BAC76940.1; -.
KW Hypothetical protein.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1073 MW; 39792C1E75B72EB8 CRC64;

Query Match 18.2%; Score 2; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 8 PK 9

RESULT 27
O60005
ID O60005 PRELIMINARY; PRT; 11 AA.
AC O60005;
DT 01-AUG-1998 (TrEMBLrel. 07, Created)
DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE TrpC (Fragment).
GN TRPC.
OS Aspergillus versicolor.
OC Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
OC Eurotiales; Trichocomaceae; mitosporic Trichocomaceae; Aspergillus.
OX NCBI_TaxID=46472;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=NRRL 226;
RA Geiser D.M., Taylor J.W., Smith G.W., Ritchie K.B.;
RT "Aspergillus sydowii causing sea fan mortality.";
RL Nature 0:0-0(1998).
DR EMBL; AF058967; AAC15743.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1142 MW; 8C71EBD3B2C72DC5 CRC64;

Query Match 18.2%; Score 2; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 5 AL 6

RESULT 28

O60007

ID O60007 PRELIMINARY; PRT; 11 AA.
AC O60007;
DT 01-AUG-1998 (TrEMBLrel. 07, Created)
DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE TrpC (Fragment).
GN TRPC.
OS Emericella violacea.
OC Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
OC Eurotiales; Trichocomaceae; Emericella.
OX NCBI_TaxID=41738;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=ATCC 16813;
RA Geiser D.M., Taylor J.W., Smith G.W., Ritchie K.B.;
RT "Aspergillus sydowii causing sea fan mortality.";
RL Nature 0:0-0(1998).
DR EMBL; AF058975; AAC15751.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1142 MW; 8C71EBD3B2C72DC5 CRC64;

Query Match 18.2%; Score 2; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 5 AL 6

RESULT 29

O60192

ID O60192 PRELIMINARY; PRT; 11 AA.
AC O60192;
DT 01-AUG-1998 (TrEMBLrel. 07, Created)
DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
DT 01-OCT-2001 (TrEMBLrel. 18, Last annotation update)
DE TRPC (Fragment).
GN TRPC.
OS Aspergillus sydowii.
OC Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
OC Eurotiales; Trichocomaceae; mitosporic Trichocomaceae; Aspergillus.
OX NCBI_TaxID=75750;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=NRRL 249, H640, SA-25, SS-7, FK-11, and NRRL 244;
RA Geiser D.M., Taylor J.W., Smith G.W., Ritchie K.B.;
RL Nature 0:0-0(1998).
DR EMBL; AF058974; AAC15750.1; -.
DR EMBL; AF058968; AAC15744.1; -.
DR EMBL; AF058969; AAC15745.1; -.
DR EMBL; AF058970; AAC15746.1; -.
DR EMBL; AF058971; AAC15747.1; -.

DR EMBL; AF058973; AAC15749.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1142 MW; 8C71EBD3B2C72DC5 CRC64;

Query Match 18.2%; Score 2; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 5 AL 6

RESULT 30
Q9C1R7
ID Q9C1R7 PRELIMINARY; PRT; 11 AA.
AC Q9C1R7;
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Ssulp (Fragment).
GN SSU1.
OS Saccharomyces cerevisiae (Baker's yeast).
OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
OC Saccharomycetales; Saccharomycetaceae; Saccharomyces.
OX NCBI_TaxID=4932;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=T73;
RA Perez-Ortin J.E.;
RL Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AF239758; AAK15080.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1274 MW; 12567614D732D374 CRC64;

Query Match 18.2%; Score 2; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 NW 6
||
Db 4 NW 5

RESULT 31
O60006
ID O60006 PRELIMINARY; PRT; 11 AA.
AC O60006;
DT 01-AUG-1998 (TrEMBLrel. 07, Created)
DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE TrpC (Fragment).
GN TRPC.
OS Aspergillus sydowii.
OC Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
OC Eurotiales; Trichocomaceae; mitosporic Trichocomaceae; Aspergillus.
OX NCBI_TaxID=75750;

RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=NRRL 242;
RA Geiser D.M., Taylor J.W., Smith G.W., Ritchie K.B.;
RT "Aspergillus sydowii causing sea fan mortality.";
RL Nature 0:0-0(1998).
DR EMBL; AF058972; AAC15748.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1110 MW; 8C71F0C3F2C72DC5 CRC64;

Query Match 18.2%; Score 2; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 AL 4
||
Db 5 AL 6

RESULT 32
O60614
ID O60614 PRELIMINARY; PRT; 11 AA.
AC O60614;
DT 01-AUG-1998 (TrEMBLrel. 07, Created)
DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE MTG8 related protein (Fragment).
GN MTGR1.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Brain;
RX MEDLINE=99009318; PubMed=9790752;
RA Calabi F., Cilli V.;
RT "CBFA2T1, a gene rearranged in human leukemia, is a member of a
RT multigene family.";
RL Genomics 52:332-341(1998).
DR EMBL; AF052211; AAC64700.1; -.
DR GO; GO:0008283; P:cell proliferation; TAS.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1047 MW; CF001CE4DDD86772 CRC64;

Query Match 18.2%; Score 2; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 6 GA 7

RESULT 33
Q14759
ID Q14759 PRELIMINARY; PRT; 11 AA.

AC Q14759;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Lymphocyte cytosolic protein 2 (Fragment).
GN LCP2.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Sunden S.L.F., Carr L.L., Clements J.L., Motto D.G., Koretzky G.A.;
RT "Polymorphism in and localization of the gene encoding the 76 kDa SH2
domain-containing Leukocyte Protein (SLP-76) to chromosome 5q33.1-
qter.";
RL Genomics 0:0-0(1995).
DR EMBL; U44065; AAA93308.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1242 MW; D695104224072DDD CRC64;

Query Match 18.2%; Score 2; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 5 AL 6

RESULT 34
Q9UCP2
ID Q9UCP2 PRELIMINARY; PRT; 11 AA.
AC Q9UCP2;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE cGMP-inhibited LOW K(M) cAMP phosphodiesterase PEAK 43, CGI-PDE
(Fragment).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE.
RX MEDLINE=92283180; PubMed=1317779;
RA LeBon T.R., Kasuya J., Paxton R.J., Belfrage P., Hockman S.,
RA Manganiello V.C., Fujita Yamaguchi Y.;
RT "Purification and characterization of guanosine 3',5'-monophosphate-
inhibited low K(m) adenosine 3',5'-monophosphate phosphodiesterase
from human placental cytosolic fractions.";
RL Endocrinology 130:3265-3274(1992).
DR GO; GO:0005829; C:cytosol; TAS.
DR GO; GO:0004115; F:cAMP-specific phosphodiesterase activity; TAS.
DR GO; GO:0007165; P:signal transduction; NAS.
FT NON_TER 1 1

FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1220 MW; 7DF1FDF2D44735BB CRC64;
Query Match 18.2%; Score 2; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 LN 5
||
Db 2 LN 3

RESULT 35

Q9NY38

ID Q9NY38 PRELIMINARY; PRT; 11 AA.
AC Q9NY38;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-OCT-2000 (TrEMBLrel. 15, Last annotation update)
DE Heavy metal-responsive transcription factor (Fragment).
GN MTF-1.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Auf der Maur A., Belser T., Wang Y., Gunes C., Lichtlen P.,
RA Georgiev O., Schaffner W.;
RT "Characterization of the mouse gene for the heavy metal-responsive
transcription factor MTF-1.";
RL Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AJ251881; CAB71327.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1099 MW; A8653693773772C6 CRC64;

Query Match 18.2%; Score 2; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 1 GA 2

RESULT 36

O60761

ID O60761 PRELIMINARY; PRT; 11 AA.
AC O60761;
DT 01-AUG-1998 (TrEMBLrel. 07, Created)
DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE NPT-1 protein (Fragment).
GN NPT-1.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 OX NCBI_TaxID=9606;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=98207718; PubMed=9545579;
 RA Taketani Y., Miyamoto K., Chikamori M., Tanaka K., Yamamoto H.,
 RA Tatsumi S., Morita K., Takeda E.;
 RT "Characterization of the 5' flanking region of the human NPT-1
 RT Na+/phosphate cotransporter gene.";
 RL Biochim. Biophys. Acta 1396:267-272(1998).
 DR EMBL; D83236; BAA25645.1; -.
 FT NON_TER 11 11
 SQ SEQUENCE 11 AA; 1358 MW; 884E2D4E6734044A CRC64;

 Query Match 18.2%; Score 2; DB 4; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1e+05;
 Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 Qy 10 PK 11
 ||
 Db 9 PK 10

 RESULT 37
 O75811
 ID O75811 PRELIMINARY; PRT; 11 AA.
 AC O75811;
 DT 01-NOV-1998 (TrEMBLrel. 08, Created)
 DT 01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
 DT 01-NOV-1998 (TrEMBLrel. 08, Last annotation update)
 DE ErbB-3 R2 (Fragment).
 GN C-ERBB-3.
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 OX NCBI_TaxID=9606;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC TISSUE=Ovarian carcinoma;
 RX MEDLINE=98345147; PubMed=9681822;
 RA Lee H., Maihle N.J.;
 RT "Isolation and characterization of four alternate c-erbB3 transcripts
 RT expressed in ovarian carcinoma-derived cell lines and normal human
 RT tissues.";
 RL Oncogene 16:3243-3252(1998).
 DR EMBL; U88358; AAC39858.1; -.
 FT NON_TER 1 1
 SQ SEQUENCE 11 AA; 1017 MW; 21B236366EB72878 CRC64;

 Query Match 18.2%; Score 2; DB 4; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1e+05;
 Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 Qy 10 PK 11
 ||
 Db 8 PK 9

RESULT 38

Q15997

ID Q15997 PRELIMINARY; PRT; 11 AA.
AC Q15997;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE RARA protein (Fragment).
GN RARA.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=93222087; PubMed=7682097;
RA Dong S., Geng J.P., Tong J.H., Wu Y., Cai J.R., Sun G.L., Chen S.R.,
RA Wang Z.Y., Larsen C.J., Berger R., et al;
RT "Breakpoint clusters of the PML gene in acute promyelocytic leukemia:
RT primary structure of the reciprocal products of the PML-RARA gene in a
RT patient with t(15;17).";
RL Genes Chromosomes Cancer 6:133-139(1993).
DR EMBL; S57794; AAD13888.1; -.
DR PIR; I54081; I54081.
FT NON_TER 1 1
SQ SEQUENCE 11 AA; 1277 MW; 33C70E22CDDDC417 CRC64;

Query Match 18.2%; Score 2; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RA 3
||
Db 5 RA 6

RESULT 39

Q96QF8

ID Q96QF8 PRELIMINARY; PRT; 11 AA.
AC Q96QF8;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Agrin (Fragment).
GN AGRN.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Liyanage Y., Vincent A.C., Beeson D.M.W.;
RT "Cloning, expression and functional studies on human neural agrin isoforms:y0z8 inserts in spinal cord and a small cell lung cancer line.";
RL Submitted (APR-2001) to the EMBL/GenBank/DDBJ databases.

RN [2]
RP SEQUENCE FROM N.A.
RA Liyanage Y.;
RL Thesis (1999), Department of Clinical Medicine, University of Oxford,
RL Oxford, United Kingdom.
DR EMBL; AJ309206; CAC42508.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1126 MW; 59E0B33DD865BAA7 CRC64;

Query Match 18.2%; Score 2; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 8 AL 9

RESULT 40
Q9UCP5
ID Q9UCP5 PRELIMINARY; PRT; 11 AA.
AC Q9UCP5;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Aggrecan core protein (Fragment).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE.
RX MEDLINE=92235266; PubMed=1569188;
RA Sandy J.D., Flannery C.R., Neame P.J., Lohmander L.S.;
RL J. Clin. Invest. 89:1512-1516(1992).
DR GO; GO:0005201; F:extracellular matrix structural constituent; TAS.
DR GO; GO:0006508; P:proteolysis and peptidolysis; NAS.
DR GO; GO:0001501; P:skeletal development; NAS.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1149 MW; 8FBFE8DFE72042D5 CRC64;

Query Match 18.2%; Score 2; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 1 AR 2

RESULT 41
Q9UE69
ID Q9UE69 PRELIMINARY; PRT; 11 AA.
AC Q9UE69;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)

DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE 5HT3 serotonin receptor (Fragment).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Bedford F.K., Taylor S., Julius D., Ingraham H.A.;
RT "Expression of the 5HT3 serotonin receptor gene in neuronal cells is
regulated via novel NF-1 mediated complexes.";
RL Submitted (OCT-1996) to the EMBL/GenBank/DDBJ databases.
DR EMBL; U73443; AAB71736.1; -.
DR GO; GO:0004872; F:receptor activity; IEA.
KW Receptor.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1286 MW; 28F50414C6C6C2D3 CRC64;

Query Match 18.2%; Score 2; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 8 AL 9

RESULT 42
Q9HCN5
ID Q9HCN5 PRELIMINARY; PRT; 11 AA.
AC Q9HCN5;
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
DE Platelet glycoprotein VI (Fragment).
GN GPVI OR GP6.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=20483673; PubMed=11027634;
RA Ezumi Y., Uchiyama T., Takayama H.;
RT "Molecular cloning, genomic structure, chromosomal localization, and
alternative splice forms of the platelet collagen receptor
glycoprotein VI.";
RL Biochem. Biophys. Res. Commun. 277:27-36(2000).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=22359008; PubMed=12359731;
RA Holmes M.L., Bartle N., Eisbacher M., Chong B.H.;
RT "Cloning and Analysis of the Thrombopoietin-induced Megakaryocyte-
specific Glycoprotein VI Promoter and Its Regulation by GATA-1, Fli-1,
and Spl.";
RL J. Biol. Chem. 277:48333-48341(2002).

DR EMBL; AB043943; BAB12248.1; -.
DR EMBL; AF521646; AAN86273.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1166 MW; 8D7839FE2DC1B775 CRC64;

Query Match 18.2%; Score 2; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 7 AL 8

RESULT 43

Q26092

ID Q26092 PRELIMINARY; PRT; 11 AA.
AC Q26092;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Sea StAR histone H2B gene 5'region (Fragment).
OS Pisaster ochraceus (Sea star).
OC Eukaryota; Metazoa; Echinodermata; Eleutherozoa; Asterozoa;
OC Asteroidea; Forcipulatacea; Forcipulatida; Asteriidae; Pisaster.
OX NCBI_TaxID=7612;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Sperm;
RA Howell A.M., Cool D., Hewitt J., Ydenberg B., Smith M.J., Honda B.M.;
RT "Organization and Unusual Expression of Histone Genes in the Sea Star
RT Pisaster ochraceus.";
RL J. Mol. Evol. 25:29-36(1987).
DR EMBL; X05619; CAA29106.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1128 MW; 5173974A3865BDD3 CRC64;

Query Match 18.2%; Score 2; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 3 PK 4

RESULT 44

Q9NFX0

ID Q9NFX0 PRELIMINARY; PRT; 11 AA.
AC Q9NFX0;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-JUN-2001 (TrEMBLrel. 17, Last annotation update)
DE Mitochondrial aconitase (Fragment).
GN ACON OR MAC OR CG9244.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;

OC Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=CANTON S;
RA Lind M.I.;
RT "Charaterisation of two iron regulatory proteins and mitochondrial
aconitase in Drosophila melanogaster.";
RL Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AJ252019; CAB93522.1; -.
DR FlyBase; FBgn0010100; Acon.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1204 MW; 7C889CE4D4469734 CRC64;

Query Match 18.2%; Score 2; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 3 AR 4

RESULT 45
Q86D32
ID Q86D32 PRELIMINARY; PRT; 11 AA.
AC Q86D32;
DT 01-JUN-2003 (TrEMBLrel. 24, Created)
DT 01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Histone H1 (Fragment).
OS Trypanosoma cruzi.
OC Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae; Trypanosoma.
OX NCBI_TaxID=5693;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=Dm28c;
RX MEDLINE=22557728; PubMed=12670512;
RA Sturm N.R., Vargas N.S., Westenberger S.J., Zingales B.,
RA Campbell D.A.;
RT "Evidence for multiple hybrid groups in Trypanosoma cruzi.";
RL Int. J. Parasitol. 33:269-279(2003).
DR EMBL; AF545075; AAP21903.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1114 MW; CCC1B31E7772CDDD CRC64;

Query Match 18.2%; Score 2; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 8 PK 9

RESULT 46

Q86D31
ID Q86D31 PRELIMINARY; PRT; 11 AA.
AC Q86D31;
DT 01-JUN-2003 (TrEMBLrel. 24, Created)
DT 01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Histone H1 (Fragment).
OS Trypanosoma cruzi.
OC Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae; Trypanosoma.
OX NCBI_TaxID=5693;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=Sylvio X10;
RX MEDLINE=22557728; PubMed=12670512;
RA Sturm N.R., Vargas N.S., Westenberger S.J., Zingales B.,
RA Campbell D.A.;
RT "Evidence for multiple hybrid groups in Trypanosoma cruzi.";
RL Int. J. Parasitol. 33:269-279(2003).
DR EMBL; AF545076; AAP21906.1; -.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1174 MW; CCDB1B21E7772CDDD CRC64;

Query Match 18.2%; Score 2; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PK 11
||
Db 8 PK 9

RESULT 47
Q95PX6
ID Q95PX6 PRELIMINARY; PRT; 11 AA.
AC Q95PX6;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Hypothetical protein.
GN ZK1236.8.
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
OC Rhabditidae; Peloderrinae; Caenorhabditis.
OX NCBI_TaxID=6239;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=Bristol N2;
RX MEDLINE=99069613; PubMed=9851916;
RA None;
RT "Genome sequence of the nematode C. elegans: a platform for
investigating biology. The C. elegans Sequencing Consortium.";
RL Science 282:2012-2018(1998).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=Bristol N2;
RA Favullo A.;
RT "The sequence of C. elegans cosmid ZK1236.";

RL Submitted (MAY-1993) to the EMBL/GenBank/DDBJ databases.
RN [3]
RP SEQUENCE FROM N.A.
RC STRAIN=Bristol N2;
RA Waterston R.;
RT "Direct Submission."
RL Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.
DR EMBL; L13200; AAL11108.1; -.
DR WormPep; ZK1236.8; CE29629.
KW Hypothetical protein.
SQ SEQUENCE 11 AA; 1304 MW; DFA3510A25A76322 CRC64;

Query Match 18.2%; Score 2; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 5 KP 6

RESULT 48

Q95J20

ID Q95J20 PRELIMINARY; PRT; 11 AA.
AC Q95J20;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Malic enzyme (Fragment).
OS Eulemur fulvus albocollaris.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Strepsirhini; Lemuridae; Eulemur.
OX NCBI_TaxID=122224;
RN [1]
RP SEQUENCE FROM N.A.
RA Wyner Y.M., Johnson S.E., DeSalle R.;
RT "A genetic assessment of a red-fronted/white-collared lemur hybrid
zone at Andringitra, Madagascar.";
RL Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AF258139; AAK53119.1; -.
DR EMBL; AF258145; AAK53125.1; -.
DR EMBL; AF258147; AAK53127.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1204 MW; C7CD492E66D9D2C9 CRC64;

Query Match 18.2%; Score 2; DB 6; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 8 GA 9

RESULT 49

Q95NB6

ID Q95NB6 PRELIMINARY; PRT; 11 AA.
AC Q95NB6;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Malic enzyme (Fragment).
OS Eulemur fulvus rufus.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Strepsirhini; Lemuridae; Eulemur.
OX NCBI_TaxID=47179;
RN [1]
RP SEQUENCE FROM N.A.
RA Wyner Y.M., Johnson S.E., DeSalle R.;
RT "A genetic assessment of a red-fronted/white-collared lemur hybrid
RT zone at Andringitra, Madagascar.";
RL Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AF258148; AAK53128.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1204 MW; C7CD492E66D9D2C9 CRC64;

Query Match 18.2%; Score 2; DB 6; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 8 GA 9

RESULT 50
Q95J19
ID Q95J19 PRELIMINARY; PRT; 11 AA.
AC Q95J19;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Malic enzyme (Fragment).
OS Eulemur fulvus (brown lemur).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Strepsirhini; Lemuridae; Eulemur.
OX NCBI_TaxID=13515;
RN [1]
RP SEQUENCE FROM N.A.
RA Wyner Y.M., Johnson S.E., DeSalle R.;
RT "A genetic assessment of a red-fronted/white-collared lemur hybrid
RT zone at Andringitra, Madagascar.";
RL Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AF258163; AAK53143.1; -.
DR EMBL; AF258170; AAK53150.1; -.
DR EMBL; AF258171; AAK53151.1; -.
DR EMBL; AF258173; AAK53153.1; -.
DR EMBL; AF258175; AAK53155.1; -.
DR EMBL; AF258178; AAK53158.1; -.
DR EMBL; AF258179; AAK53159.1; -.
DR EMBL; AF258181; AAK53161.1; -.
DR EMBL; AF258182; AAK53162.1; -.

FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1204 MW; C7CD492E66D9D2C9 CRC64;

Query Match 18.2%; Score 2; DB 6; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 8 GA 9

RESULT 51

077914

ID 077914 PRELIMINARY; PRT; 11 AA.
AC 077914;
DT 01-NOV-1998 (TrEMBLrel. 08, Created)
DT 01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE MHC class II B locus 9 (Fragment).
OS Oreochromis niloticus (Nile tilapia) (Tilapia nilotica).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
OC Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Labroidei;
OC Cichlidae; Oreochromis.
OX NCBI_TaxID=8128;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=98315113; PubMed=9649539;
RA Malaga-Trillo E., Zaleska-Rutczynska Z., McAndrew B., Vincek V.,
RA Figueroa F., Sultmann H., Klein J.;
RT "Linkage relationships and haplotype polymorphism among cichlid mhc
class II B loci.";
RL Genetics 149:1527-1537(1998).
DR EMBL; AF050025; AAC41364.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1167 MW; 2F46D347A2C045A3 CRC64;

Query Match 18.2%; Score 2; DB 7; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 9 GA 10

RESULT 52

Q9UEX7

ID Q9UEX7 PRELIMINARY; PRT; 11 AA.
AC Q9UEX7;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-JUN-2001 (TrEMBLrel. 17, Last annotation update)
DE Human leucocyte antigen B (Fragment).

GN HLA-A*03.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Fae I., Kriks D., Cernava B., Fischer G.F.;
RT "An novel HLA-A*03 allele."
RL Submitted (JAN-2000) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AJ252283; CAB65736.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1118 MW; 5191BC69C1A72DD7 CRC64;

Query Match 18.2%; Score 2; DB 7; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 2 GA 3

RESULT 53
O78118
ID O78118 PRELIMINARY; PRT; 11 AA.
AC O78118;
DT 01-NOV-1998 (TrEMBLrel. 08, Created)
DT 01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE MHC class II B locus 9 (Fragment).
OS Oreochromis niloticus (Nile tilapia) (Tilapia nilotica).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
OC Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Labroidei;
OC Cichlidae; Oreochromis.
OX NCBI_TaxID=8128;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=98315113; PubMed=9649539;
RA Malaga-Trillo E., Zaleska-Rutczynska Z., McAndrew B., Vincek V.,
RA Figueroa F., Sultmann H., Klein J.;
RT "Linkage relationships and haplotype polymorphism among cichlid mhc
RT class II B loci.";
RL Genetics 149:1527-1537(1998).
DR EMBL; AF049999; AAC41338.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1199 MW; 2F46D347B69045A3 CRC64;

Query Match 18.2%; Score 2; DB 7; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||

Db 9 GA 10

RESULT 54
077872
ID 077872 PRELIMINARY; PRT; 11 AA.
AC 077872;
DT 01-NOV-1998 (TrEMBLrel. 08, Created)
DT 01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE MHC class II B locus 1 (Fragment).
OS Oreochromis niloticus (Nile tilapia) (Tilapia nilotica).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
OC Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Labroidei;
OC Cichlidae; Oreochromis.
OX NCBI_TaxID=8128;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=98315113; PubMed=9649539;
RA Malaga-Trillo E., Zaleska-Rutczynska Z., McAndrew B., Vincek V.,
RA Figueroa F., Sultmann H., Klein J.;
RT "Linkage relationships and haplotype polymorphism among cichlid mhc
RT class II B loci.";
RL Genetics 149:1527-1537(1998).
DR EMBL; AF049981; AAC41320.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1133 MW; 283248EC3EB72728 CRC64;

Query Match 18.2%; Score 2; DB 7; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 8 KP 9

RESULT 55
078120
ID 078120 PRELIMINARY; PRT; 11 AA.
AC 078120;
DT 01-NOV-1998 (TrEMBLrel. 08, Created)
DT 01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE MHC class II B locus 9 (Fragment).
OS Oreochromis niloticus (Nile tilapia) (Tilapia nilotica).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
OC Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Labroidei;
OC Cichlidae; Oreochromis.
OX NCBI_TaxID=8128;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=98315113; PubMed=9649539;
RA Malaga-Trillo E., Zaleska-Rutczynska Z., McAndrew B., Vincek V.,

RA Figueroa F., Sultmann H., Klein J.;
RT "Linkage relationships and haplotype polymorphism among cichlid mhc
RT class II B loci.";
RL Genetics 149:1527-1537(1998).
DR EMBL; AF050026; AAC41365.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1199 MW; 2F46D347B69045A3 CRC64;

Query Match 18.2%; Score 2; DB 7; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 GA 8
||
Db 9 GA 10

RESULT 56
077873
ID O77873 PRELIMINARY; PRT; 11 AA.
AC O77873;
DT 01-NOV-1998 (TrEMBLrel. 08, Created)
DT 01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE MHC class II B locus 1 (Fragment).
OS Oreochromis niloticus (Nile tilapia) (Tilapia nilotica).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleosteii;
OC Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Labroidei;
OC Cichlidae; Oreochromis.
OX NCBI_TaxID=8128;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=98315113; PubMed=9649539;
RA Malaga-Trillo E., Zaleska-Rutczynska Z., McAndrew B., Vincek V.,
RA Figueroa F., Sultmann H., Klein J.;
RT "Linkage relationships and haplotype polymorphism among cichlid mhc
RT class II B loci.";
RL Genetics 149:1527-1537(1998).
DR EMBL; AF049982; AAC41321.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1133 MW; 283248EC3EB72728 CRC64;

Query Match 18.2%; Score 2; DB 7; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 8 KP 9

RESULT 57
077871
ID O77871 PRELIMINARY; PRT; 11 AA.

AC 077871;
DT 01-NOV-1998 (TrEMBLrel. 08, Created)
DT 01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE MHC class II B locus 1 (Fragment).
OS Oreochromis niloticus (Nile tilapia) (Tilapia nilotica).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
OC Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Labroidei;
OC Cichlidae; Oreochromis.
OX NCBI_TaxID=8128;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=98315113; PubMed=9649539;
RA Malaga-Trillo E., Zaleska-Rutczynska Z., McAndrew B., Vincek V.,
RA Figueroa F., Sultmann H., Klein J.;
RT "Linkage relationships and haplotype polymorphism among cichlid mhc
RT class II B loci.";
RL Genetics 149:1527-1537(1998).
DR EMBL; AF049980; AAC41319.1; -.
FT NON_TER 1 1
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1133 MW; 283248EC3EB72728 CRC64;

Query Match 18.2%; Score 2; DB 7; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 8 KP 9

RESULT 58
Q9G622
ID Q9G622 PRELIMINARY; PRT; 11 AA.
AC Q9G622;
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Cytochrome c oxidase subunit I (Fragment).
GN COI.
OS Salea horsfieldii.
OG Mitochondrion.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Draconinae;
OC Salea.
OX NCBI_TaxID=118233;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114082; PubMed=12118408;
RA Macey J.R., Schulte J.A. II, Larson A.;
RT "Evolution and information content of the mitochondrial genomic
RT structural features illustrated with acrodont lizards.";
RL Syst. Biol. 49:257-277(2000).
RN [2]
RP SEQUENCE FROM N.A.

RX MEDLINE=22114081; PubMed=12118407;
RA Macey J.R., Schulte J.A. II, Larson A., Ananjeva N.B., Wang Y.,
RA Pethiyagoda R., Rastegar-Pouyani N., Papenfuss T.J.;
RT "Evaluating Trans-Tethys migration: An example using Acrodont lizard
RT phylogenetics.";
RL Syst. Biol. 49:233-256(2000).
DR EMBL; AF128490; AAG00707.1; -.
DR GO; GO:0005739; C:mitochondrion; IEA.
KW Mitochondrion.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1264 MW; 5B2C371E33640DD7 CRC64;

Query Match 18.2%; Score 2; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 5 AR 6

RESULT 59
Q95EI4
ID Q95EI4 PRELIMINARY; PRT; 11 AA.
AC Q95EI4;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE PsaI (Fragment).
OS Dendrochilum arachnites.
OG Chloroplast.
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; Liliopsida; Asparagales; Orchidaceae;
OC Epidendroideae; higher Epidendroideae; Coelogyninae; Dendrochilum.
OX NCBI_TaxID=79412;
RN [1]
RP SEQUENCE FROM N.A.
RA Barkman T.J., Simpson B.B.;
RT "Hybridization and parentage of Dendrochilum acuiferum (Orchidaceae)
RT inferred in a phylogenetic context using nuclear and chloroplast DNA
RT sequence data.";
RL Syst. Bot. 0:0-0(2001).
DR EMBL; AF389216; AAK82409.1; -.
DR GO; GO:0009507; C:chloroplast; IEA.
KW Chloroplast.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1296 MW; 4AC7B27CA769C447 CRC64;

Query Match 18.2%; Score 2; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 LN 5
||
Db 4 LN 5

RESULT 60
 Q9G359
 ID Q9G359 PRELIMINARY; PRT; 11 AA.
 AC Q9G359;
 DT 01-MAR-2001 (TrEMBLrel. 16, Created)
 DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE Cytochrome c oxidase subunit I (Fragment).
 GN COI.
 OS Japalura flaviceps.
 OG Mitochondrion.
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Draconinae;
 OC Japalura.
 OX NCBI_TaxID=52218;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=97153820; PubMed=9000751;
 RA Macey J.R., Larson A., Ananjeva N.B., Papenfuss T.J.;
 RT "Replication slippage may cause parallel evolution in the secondary
 structures of mitochondrial transfer RNAs.";
 RL Mol. Biol. Evol. 14:30-39(1997).
 RN [2]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22114082; PubMed=12118408;
 RA Macey J.R., Schulte J.A. II, Larson A.;
 RT "Evolution and information content of the mitochondrial genomic
 structural features illustrated with acrodont lizards.";
 RL Syst. Biol. 49:257-277(2000).
 RN [3]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22114081; PubMed=12118407;
 RA Macey J.R., Schulte J.A. II, Larson A., Ananjeva N.B., Wang Y.,
 RA Pethiyagoda R., Rastegar-Pouyani N., Papenfuss T.J.;
 RT "Evaluating Trans-Tethys migration: An example using Acrodont lizard
 phylogenetics.";
 RL Syst. Biol. 49:233-256(2000).
 DR EMBL; AF128500; AAG00737.1; -.
 DR GO; GO:0005739; C:mitochondrion; IEA.
 KW Mitochondrion.
 FT NON_TER 11 11
 SQ SEQUENCE 11 AA; 1341 MW; 538E371E33640DD7 CRC64;
 Query Match 18.2%; Score 2; DB 8; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1e+05;
 Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 AR 2
 ||
 Db 5 AR 6

RESULT 61
 Q9G649
 ID Q9G649 PRELIMINARY; PRT; 11 AA.
 AC Q9G649;
 DT 01-MAR-2001 (TrEMBLrel. 16, Created)

DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE Cytochrome c oxidase subunit I (Fragment).
 GN COI.
 OS *Otocryptis wiegmanni*.
 OG Mitochondrion.
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Draconinae;
 OC *Otocryptis*.
 OX NCBI_TaxID=118220;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22114082; PubMed=12118408;
 RA Macey J.R., Schulte J.A. II, Larson A.;
 RT "Evolution and information content of the mitochondrial genomic
 structural features illustrated with acrodont lizards.";
 RL Syst. Biol. 49:257-277(2000).
 RN [2]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22114081; PubMed=12118407;
 RA Macey J.R., Schulte J.A. II, Larson A., Ananjeva N.B., Wang Y.,
 RA Pethiyagoda R., Rastegar-Pouyani N., Papenfuss T.J.;
 RT "Evaluating Trans-Tethys migration: An example using Acrodont lizard
 phylogenetics.";
 RL Syst. Biol. 49:233-256(2000).
 DR EMBL; AF128480; AAG00677.1; -.
 DR GO; GO:0005739; C:mitochondrion; IEA.
 KW Mitochondrion.
 FT NON_TER 11 11
 SQ SEQUENCE 11 AA; 1347 MW; 932D3710D3640DC1 CRC64;

 Query Match 18.2%; Score 2; DB 8; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1e+05;
 Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
 ||
 Db 5 AR 6

RESULT 62
 Q9G5Z8
 ID Q9G5Z8 PRELIMINARY; PRT; 11 AA.
 AC Q9G5Z8;
 DT 01-MAR-2001 (TrEMBLrel. 16, Created)
 DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE Cytochrome c oxidase subunit I (Fragment).
 GN COI.
 OS *Acanthosaura lepidogaster*.
 OG Mitochondrion.
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Draconinae;
 OC *Acanthosaura*.
 OX NCBI_TaxID=118088;
 RN [1]
 RP SEQUENCE FROM N.A.

RX MEDLINE=22114082; PubMed=12118408;
 RA Macey J.R., Schulte J.A. II, Larson A.;
 RT "Evolution and information content of the mitochondrial genomic
 structural features illustrated with acrodont lizards.";
 RL Syst. Biol. 49:257-277(2000).
 RN [2]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22114081; PubMed=12118407;
 RA Macey J.R., Schulte J.A. II, Larson A., Ananjeva N.B., Wang Y.,
 RA Pethiyagoda R., Rastegar-Pouyani N., Papenfuss T.J.;
 RT "Evaluating Trans-Tethys migration: An example using Acrodont lizard
 phylogenetics.";
 RL Syst. Biol. 49:233-256(2000).
 DR EMBL; AF128499; AAG00734.1; -.
 DR GO; GO:0005739; C:mitochondrion; IEA.
 KW Mitochondrion.
 FT NON_TER 11 11
 SQ SEQUENCE 11 AA; 1279 MW; 5DF7371E33640DD7 CRC64;

 Query Match 18.2%; Score 2; DB 8; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1e+05;
 Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 Qy 1 AR 2
 ||
 Db 5 AR 6

 RESULT 63
 Q94VH7
 ID Q94VH7 PRELIMINARY; PRT; 11 AA.
 AC Q94VH7;
 DT 01-DEC-2001 (TrEMBLrel. 19, Created)
 DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE Cytochrome c oxidase subunit I (Fragment).
 GN COI.
 OS Varanus gilleni (Pygmy mulga monitor).
 OG Mitochondrion.
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Lepidosauria; Squamata; Scleroglossa; Anguimorpha; Varanidae; Varanus.
 OX NCBI_TaxID=169840;
 RN [1]
 RP SEQUENCE FROM N.A.
 RA Ast J.C.;
 RT "Mitochondrial DNA evidence and evolution in Varanoidea (Squamata).";
 RL Cladistics 17:0-0(2001).
 DR EMBL; AF407499; AAL10051.1; -.
 DR GO; GO:0005739; C:mitochondrion; IEA.
 KW Mitochondrion.
 FT NON_TER 11 11
 SQ SEQUENCE 11 AA; 1340 MW; CF6DEE80C733640D CRC64;

 Query Match 18.2%; Score 2; DB 8; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1e+05;
 Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 4 AR 5

RESULT 64

Q9G619

ID Q9G619 PRELIMINARY; PRT; 11 AA.
AC Q9G619;
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Cytochrome c oxidase subunit I (Fragment).
GN COI.
OS Ceratophora aspera.
OG Mitochondrion.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Draconinae;
OC Ceratophora.
OX NCBI_TaxID=118195;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114082; PubMed=12118408;
RA Macey J.R., Schulte J.A. II, Larson A.;
RT "Evolution and information content of the mitochondrial genomic
structural features illustrated with acrodont lizards.";
RL Syst. Biol. 49:257-277(2000).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114081; PubMed=12118407;
RA Macey J.R., Schulte J.A. II, Larson A., Ananjeva N.B., Wang Y.,
RA Pethiyagoda R., Rastegar-Pouyani N., Papenfuss T.J.;
RT "Evaluating Trans-Tethys migration: An example using Acrodont lizard
phylogenetics.";
RL Syst. Biol. 49:233-256(2000).
DR EMBL; AF128491; AAG00710.1; -.
DR GO; GO:0005739; C:mitochondrion; IEA.
KW Mitochondrion.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1264 MW; 5B2C371E33640DD7 CRC64;

Query Match 18.2%; Score 2; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 5 AR 6

RESULT 65

Q8WER7

ID Q8WER7 PRELIMINARY; PRT; 11 AA.
AC Q8WER7;
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)

DE Cytochrome c oxidase subunit I (Fragment).
GN COI.
OS Ceratophora tennentii.
OG Mitochondrion.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Draconinae;
OC Ceratophora.
OX NCBI_TaxID=118087;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114082; PubMed=12118408;
RA Macey J.R., Schulte J.A. II, Larson A.;
RT "Evolution and phylogenetic information content of mitochondrial
genomic structural features illustrated with acrodont lizards.";
RL Syst. Biol. 49:257-277(2000).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=21655505; PubMed=11796034;
RA Schulte J.A. II, Macey J.R., Pethiyagoda R., Larson A.;
RT "Rostral Horn Evolution among Agamid Lizards of the Genus Ceratophora
Endemic to Sri Lanka.";
RL Mol. Phylogenet. Evol. 22:111-117(2002).
DR EMBL; AF128521; AAL67607.1; -.
DR GO; GO:0005739; C:mitochondrion; IEA.
KW Mitochondrion.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1264 MW; 5B2C371E33640DD7 CRC64;

Query Match 18.2%; Score 2; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 5 AR 6

RESULT 66
Q8WD50
ID Q8WD50 PRELIMINARY; PRT; 11 AA.
AC Q8WD50;
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Cytochrome c oxidase subunit I (Fragment).
GN COI.
OS Ceratophora stoddartii.
OG Mitochondrion.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Draconinae;
OC Ceratophora.
OX NCBI_TaxID=118196;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21655505; PubMed=11796034;
RA Schulte J.A. II, Macey J.R., Pethiyagoda R., Larson A.;
RT "Rostral Horn Evolution among Agamid Lizards of the Genus Ceratophora

RT Endemic to Sri Lanka.";
RL Mol. Phylogenet. Evol. 22:111-117(2002).
DR EMBL; AF364053; AAL68024.1; -.
DR GO; GO:0005739; C:mitochondrion; IEA.
KW Mitochondrion.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1264 MW; 5B2C371E33640DD7 CRC64;

Query Match 18.2%; Score 2; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 5 AR 6

RESULT 67
Q35374
ID Q35374 PRELIMINARY; PRT; 11 AA.
AC Q35374;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE P1 protein (Fragment).
OS Paramecium tetraurelia.
OG Mitochondrion.
OC Eukaryota; Alveolata; Ciliophora; Oligohymenophorea; Peniculida;
OC Paramecium.
OX NCBI_TaxID=5888;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=stock 172;
RX MEDLINE=87055241; PubMed=3023187;
RA Pritchard A.E., Seilhamer J.J., Cummings D.J.;
RT "Paramecium mitochondrial DNA sequences and RNA transcripts for
RT cytochrome oxidase subunit I, URF1, and three ORFs adjacent to the
RT replication origin.";
RL Gene 44:243-253(1986).
DR EMBL; M15280; AAA79267.1; -.
DR GO; GO:0005739; C:mitochondrion; IEA.
KW Mitochondrion.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1266 MW; 1D84259D16D046D4 CRC64;

Query Match 18.2%; Score 2; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 LN 5
||
Db 3 LN 4

RESULT 68
Q9G5X1
ID Q9G5X1 PRELIMINARY; PRT; 11 AA.

AC Q9G5X1;
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Cytochrome c oxidase subunit I (Fragment).
GN COI.
OS Trapelus persicus.
OG Mitochondrion.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Agaminae;
OC Trapelus.
OX NCBI_TaxID=118236;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114082; PubMed=12118408;
RA Macey J.R., Schulte J.A. II, Larson A.;
RT "Evolution and information content of the mitochondrial genomic
structural features illustrated with acrodont lizards.";
RL Syst. Biol. 49:257-277(2000).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114081; PubMed=12118407;
RA Macey J.R., Schulte J.A. II, Larson A., Ananjeva N.B., Wang Y.,
RA Pethiyagoda R., Rastegar-Pouyani N., Papenfuss T.J.;
RT "Evaluating Trans-Tethys migration: An example using Acrodont lizard
phylogenetics.";
RL Syst. Biol. 49:233-256(2000).
DR EMBL; AF128510; AAG00767.1; -.
DR GO; GO:0005739; C:mitochondrion; IEA.
KW Mitochondrion.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1279 MW; 5DF7371E33640DD7 CRC64;

Query Match 18.2%; Score 2; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 5 AR 6

RESULT 69

Q8WER4

ID Q8WER4 PRELIMINARY; PRT; 11 AA.
AC Q8WER4;
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Cytochrome c oxidase subunit I (Fragment).
GN COI.
OS Ceratophora erdeleni.
OG Mitochondrion.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Draconinae;
OC Ceratophora.
OX NCBI_TaxID=118085;

RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114082; PubMed=12118408;
RA Macey J.R., Schulte J.A. II, Larson A.;
RT "Evolution and phylogenetic information content of mitochondrial
RT genomic structural features illustrated with acrodont lizards.";
RL Syst. Biol. 49:257-277(2000).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=21655505; PubMed=11796034;
RA Schulte J.A. II, Macey J.R., Pethiyagoda R., Larson A.;
RT "Rostral Horn Evolution among Agamid Lizards of the Genus Ceratophora
RT Endemic to Sri Lanka.";
RL Mol. Phylogenet. Evol. 22:111-117(2002).
DR EMBL; AF128522; AAL67610.1; -.
DR GO; GO:0005739; C:mitochondrion; IEA.
KW Mitochondrion.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1264 MW; 5B2C371E33640DD7 CRC64;

Query Match 18.2%; Score 2; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 5 AR 6

RESULT 70
Q9G682
ID Q9G682 PRELIMINARY; PRT; 11 AA.
AC Q9G682;
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Cytochrome c oxidase subunit I (Fragment).
GN COI.
OS Chelosania brunnea (Chameleon dragon).
OG Mitochondrion.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Amphibolurinae;
OC Chelosania.
OX NCBI_TaxID=118199;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114082; PubMed=12118408;
RA Macey J.R., Schulte J.A. II, Larson A.;
RT "Evolution and information content of the mitochondrial genomic
RT structural features illustrated with acrodont lizards.";
RL Syst. Biol. 49:257-277(2000).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114081; PubMed=12118407;
RA Macey J.R., Schulte J.A. II, Larson A., Ananjeva N.B., Wang Y.,
RA Pethiyagoda R., Rastegar-Pouyani N., Papenfuss T.J.;
RT "Evaluating Trans-Tethys migration: An example using Acrodont lizard

RT phylogenetics.";
RL Syst. Biol. 49:233-256(2000).
DR EMBL; AF128465; AAG00632.1; -.
DR GO; GO:0005739; C:mitochondrion; IEA.
KW Mitochondrion.
FT NON TER 11 11
SQ SEQUENCE 11 AA; 1322 MW; 5DF7371E33640447 CRC64;

Query Match 18.2%; Score 2; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 LN 5
||
Db 4 LN 5

RESULT 71
Q9G655
ID Q9G655 PRELIMINARY; PRT; 11 AA.
AC Q9G655;
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Cytochrome c oxidase subunit I (Fragment).
GN COI.
OS Japalura tricarinata.
OG Mitochondrion.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Draconinae;
OC Japalura.
OX NCBI_TaxID=118210;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114082; PubMed=12118408;
RA Macey J.R., Schulte J.A. II, Larson A.;
RT "Evolution and information content of the mitochondrial genomic
structural features illustrated with acrodont lizards.";
RL Syst. Biol. 49:257-277(2000).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114081; PubMed=12118407;
RA Macey J.R., Schulte J.A. II, Larson A., Ananjeva N.B., Wang Y.,
RA Pethiyagoda R., Rastegar-Pouyani N., Papenfuss T.J.;
RT "Evaluating Trans-Tethys migration: An example using Acrodont lizard
phylogenetics.";
RL Syst. Biol. 49:233-256(2000).
DR EMBL; AF128478; AAG00671.1; -.
DR GO; GO:0005739; C:mitochondrion; IEA.
KW Mitochondrion.
FT NON TER 11 11
SQ SEQUENCE 11 AA; 1297 MW; A8F7371E33640DD6 CRC64;

Query Match 18.2%; Score 2; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 5 AR 6

RESULT 72

Q9G637

ID Q9G637 PRELIMINARY; PRT; 11 AA.
AC Q9G637;
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Cytochrome c oxidase subunit I (Fragment).
GN COI.
OS Calotes liocephalus.
OG Mitochondrion.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Draconinae;
OC Calotes.
OX NCBI_TaxID=118095;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114082; PubMed=12118408;
RA Macey J.R., Schulte J.A. II, Larson A.;
RT "Evolution and information content of the mitochondrial genomic
structural features illustrated with acrodont lizards.";
RL Syst. Biol. 49:257-277(2000).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=22114081; PubMed=12118407;
RA Macey J.R., Schulte J.A. II, Larson A., Ananjeva N.B., Wang Y.,
RA Pethiyagoda R., Rastegar-Pouyani N., Papenfuss T.J.;
RT "Evaluating Trans-Tethys migration: An example using Acrodont lizard
phylogenetics.";
RL Syst. Biol. 49:233-256(2000).
DR EMBL; AF128484; AAG00689.1; -.
DR GO; GO:0005739; C:mitochondrion; IEA.
KW Mitochondrion.
FT NON_TER 11 11
SQ SEQUENCE 11 AA; 1325 MW; 47DE3710D3640DD7 CRC64;

Query Match 18.2%; Score 2; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AR 2
||
Db 5 AR 6

RESULT 73

Q7Y9C8

ID Q7Y9C8 PRELIMINARY; PRT; 11 AA.
AC Q7Y9C8;
DT 01-OCT-2003 (TrEMBLrel. 25, Created)
DT 01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)

DE Cytochrome c oxidase subunit I (Fragment).
 GN COI.
 OS *Tymanocryptis intima*.
 OG Mitochondrion.
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Lepidosauria; Squamata; Iguania; Acrodonta; Agamidae; Amphibolurinae;
 OC *Tymanocryptis*.
 OX NCBI_TaxID=206607;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22653719; PubMed=12769459;
 RA Schulte J.A. II, Melville J., Larson A.;
 RT "Molecular phylogenetic evidence for ancient divergence of lizard taxa
 on either side of Wallace's Line.";
 RL Proc. R. Soc. Lond., B, Biol. Sci. 270:597-603(2003).
 DR EMBL; AY133029; AAN15910.1; -.
 KW Mitochondrion.
 FT NON_TER 11 11
 SQ SEQUENCE 11 AA; 1322 MW; 5DF7371E33640447 CRC64;

 Query Match 18.2%; Score 2; DB 8; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1e+05;
 Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 Qy 4 LN 5
 ||
 Db 4 LN 5

RESULT 74
 Q38415
 ID Q38415 PRELIMINARY; PRT; 11 AA.
 AC Q38415;
 DT 01-NOV-1996 (TrEMBLrel. 01, Created)
 DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE Ant1 protein (Fragment).
 OS Bacteriophage P7.
 OC Viruses; dsDNA viruses, no RNA stage; Caudovirales; Myoviridae;
 OC P1-like viruses.
 OX NCBI_TaxID=10682;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=90335968; PubMed=1696181;
 RA Citron M., Schuster H.;
 RT "The c4 repressors of bacteriophages P1 and P7 are antisense RNAs.";
 RL Cell 62:591-598(1990).
 RN [2]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=92319637; PubMed=1620606;
 RA Citron M., Schuster H.;
 RT "The c4 repressor of bacteriophage P1 is a processed 77 base antisense
 RNA.";
 RL Nucleic Acids Res. 20:3085-3090(1992).
 DR EMBL; M35139; AAA32437.1; -.
 DR PIR; S42449; S42449.
 FT NON_TER 11 11

SQ SEQUENCE 11 AA; 1315 MW; 38A55C6D11B2C737 CRC64;
Query Match 18.2%; Score 2; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 KP 10
||
Db 3 KP 4

RESULT 75
Q06626
ID Q06626 PRELIMINARY; PRT; 11 AA.
AC Q06626;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Patatin A gene protein (Fragment).
GN PATATIN A GENE.
OS Solanum tuberosum (Potato).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicots; core eudicots; asterids;
OC lamiids; Solanales; Solanaceae; Solanum.
OX NCBI_TaxID=4113;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=93081729; PubMed=1450383;
RA Nap J.P., Dirkse W.G., Louwerse J., Onstenk J., Visser R., Loonen A.,
RA Heidekamp F., Stiekema W.J.;
RT "Analysis of the region in between two closely linked patatin genes:
RT class II promoter activity in tuber, root and leaf.";
RL Plant Mol. Biol. 20:683-694(1992).
DR EMBL; S51460; AAB24400.1; -.
FT NON_TER 1 1
SQ SEQUENCE 11 AA; 1301 MW; 95577379DB1B1451 CRC64;

Query Match 18.2%; Score 2; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 1e+05;
Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 AL 4
||
Db 8 AL 9

Search completed: April 8, 2004, 15:46:03
Job time : 29.7692 secs